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Target	ab ID	Clone	Product Name	Species reactivity	Validation Method	Validation or Reference
ACADM	ab110296	3B7BH7	Mouse monoclonal [3B7BH7] to ACADM/MCAD	Mouse, Rat, Human	CyTOF®, MIBI-TOF	Nat Biotechnol 2021 PMID: 32868913
ACADVL	ab231827	EPR15107(B)	Rabbit monoclonal [EPR15107(B)] to ACADVL/VLCAD - BSA and Azide free	Human	CyTOF®	Nat Biotechnol 2021 PMID: 32868913
ACTH	ab212736	57	Anti-ACTH antibody [57] - N-terminal-BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
ACTH	ab233954	57	Anti-ACTH antibody [57] - N-terminal	Human, Mouse, Rat	TSA	Validated by abcam
AKAP4	ab230954	EPR21123	Anti-AKAP4 antibody [EPR21123]	Human	TSA	Validated by abcam
AKAP4	ab238887	EPR21123	Anti-AKAP4 antibody [EPR21123] - BSA and Azide free	Human	TSA	Validated by abcam
AKT3 + AKT2 + AKT1	ab219588	Y89	Recombinant Anti-AKT3 + AKT2 + AKT1 antibody [Y89] - BSA and Azide free	Human, Mouse	CyTOF®	JCI insight, 2019, PMID: 30747724
ALDH1A1	ab215996	EP1933Y	Rabbit monoclonal [EP1933Y] to ALDH1A1 - BSA and Azide free	Mouse, Human	IMC™	Validated by IMC™ user community
Allergin 1	ab310327	EPR27238-51	Anti-Allergin 1 antibody [EPR27238-51]	Human	TSA	Validated by abcam
Allergin 1	ab310328	EPR27238-51	Anti-Allergin 1 antibody [EPR27238-51] - BSA and Azide free	Human	TSA	Validated by abcam
alpha smooth muscle Actin	ab150301	SP171	Anti-alpha smooth muscle Actin antibody [SP171]	Human, Mouse, Rat	TSA	Validated by abcam
alpha smooth muscle Actin	ab242395	SP171	Anti-alpha smooth muscle Actin antibody [SP171] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
alpha smooth muscle Actin	ab5694	Rabbit polyclonal	Anti-alpha smooth muscle Actin antibody	Chicken, Cow, Dog, Guinea pig, Human, Mouse, Pig, Rat	IMC™	Xu Xiao et al., bioRxiv 2022 fig1.b fig3.fg doi:10.1101/2022.01.15.476480
alpha smooth muscle Actin	ab7817	1A4	Anti-alpha smooth muscle Actin antibody [1A4]	Human, Mouse, Pig, Rabbit, Rat, Sheep	IMC™	Nat Methods. 2017 Sep;14(9):873-876. PMID: 28783155
alpha smooth muscle Actin	ab220795	EPR5368	Recombinant Anti-alpha smooth muscle Actin antibody [EPR5368] - BSA and Azide free	Mouse, Rat, Human	IMC™	Abcam product reviews
Alpha-synuclein	ab209420	MJFR1	Anti-Alpha-synuclein antibody [MJFR1] - BSA and Azide free	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
Angiotensin Converting Enzyme 1	ab254222	EPR22291-247	Anti-Angiotensin Converting Enzyme 1 antibody [EPR22291-247]	Human, Mouse, Rat	TSA	Validated by abcam
Angiotensin Converting Enzyme 1	ab254278	EPR22291-247	Anti-Angiotensin Converting Enzyme 1 antibody [EPR22291-247] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
Aquaporin 2	ab199975	EPR21080	Anti-Aquaporin 2 antibody [EPR21080]	Human, Mouse, Rat	TSA	Validated by abcam
Aquaporin 2	ab230170	EPR21080	Anti-Aquaporin 2 antibody [EPR21080] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
Aquaporin 2	ab230170	EPR21080	Anti-Aquaporin 2 antibody [EPR21080] - BSA and Azide free	Mouse, Rat, Human	CODEX®	STAR Protoc 2021 PMID: 34430920 fig8.d
Aquaporin 5	ab78486	Rabbit polyclonal	Anti-Aquaporin 5 antibody	Mouse, Rat	CyTOF®	Abcam product reviews
Arx	ab308260	EPR27481-32	Anti-Arx antibody [EPR27481-32]	Human, Mouse, Rat	TSA	Validated by abcam
Arx	ab308261	EPR27481-32	Anti-Arx antibody [EPR27481-32] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
ASCT2	ab251591	CAL33	Rabbit monoclonal [CAL33] to SLC1A5/ASCT2 - BSA and Azide free	Human	CyTOF®, MIBI-TOF	Nat Biotechnol 2021 PMID: 32868913
a-SMA	ab5694	Rabbit polyclonal	Anti-alpha smooth muscle Actin antibody	Mouse, Human	CODEX®	1.Cell. 2020 PMID:32763154 Fig 2B, 2C, 4D, 4E, S1, S3
a-SMA	ab7817	1A4	Anti-alpha smooth muscle Actin antibody [1A4]	Rat, Human	CODEX®	1. STAR Protoc 2021 PMID: 34430920
ATG7	ab227564	EP1759Y	Anti-ATG7 antibody [EP1759Y] - BSA and Azide free	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
ATM (phospho S1981)	ab36810	10H11.E12	Anti-ATM (phospho S1981) antibody [10H11.E12]	Human, Rat	CyTOF®	Validated by users from CyTOF® community

ATP5A	ab14748	15H4C4	Mouse monoclonal [15H4C4] to ATP5A - Mitochondrial Marker	Mouse, Rat, Cow, Human, Drosophila melanogaster	CyTOF®, MIBI-TOF	Nat Biotechnol 2021 PMID: 32868913
AXL	ab240396	EPR19880	Rabbit monoclonal [EPR19880] to Axl - BSA and Azide free	Human	IMC™	Xu Xiao et al., bioRxiv 2022 fig1.b doi:10.1101/2022.01.15.476480
Axl	ab240396	EPR19880	Anti-Axl antibody [EPR19880] - BSA and Azide free	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
B7H4	ab252438	EPR23665-20	Anti-B7H4 antibody [EPR23665-20]	Human, Mouse	TSA	Validated by abcam
B7H4	ab272707	EPR23665-20	Anti-B7H4 antibody [EPR23665-20] - BSA and Azide free	Human, Mouse	TSA	Validated by abcam
B7H4	ab171280	H74	Anti-B7H4 antibody [H74] - Low endotoxin, Azide free	Human	IMC™	The clone is validated by Standard BioTools™, but is not guaranteed by abcam for IHC-P application
BCAT2	ab309514	EPR27488-91	Anti-BCAT2 antibody [EPR27488-91]	Human	TSA	Validated by abcam
BCAT2	ab309515	EPR27488-91	Anti-BCAT2 antibody [EPR27488-91] - BSA and Azide free	Human	TSA	Validated by abcam
BCL-2	ab219608	EPR17509	Anti-Bcl-2 antibody [EPR17509] - BSA and Azide free	Human, Mouse	IMC™	The clone is validated by Standard BioTools™
Bcl6	ab307682	K112-91	Anti-Bcl6 antibody [K112-91] - BSA and Azide free	Human	IMC™	The clone is validated by Standard BioTools™
Bcl-XL	ab199099	E18	Recombinant Anti-Bcl-XL antibody [E18] - BSA and Azide free	Human, Mouse, Rat	CyTOF®	Nat Med. 2019 Jan;25(1):119-129.
Beta Catenin	ab196204	E247	Anti-beta Catenin antibody [E247] - BSA and Azide free	Mouse, Rat, Human	CODEX®	1. STAR Protoc 2021 PMID: 34430920
beta Catenin	ab196204	E247	Recombinant Anti-beta Catenin antibody [E247] - BSA and Azide free	Mouse, Rat, Human	IMC™	Abcam product reviews
Beta Catenin	ab22656	12F7	Anti-beta Catenin antibody [12F7]	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
beta III Tubulin	ab52623	EP1569Y	Anti-beta III Tubulin antibody [EP1569Y]	Mouse, Rat, Human	TSA	Validated by abcam
beta III Tubulin	ab221935	EP1569Y	Anti-beta III Tubulin antibody [EP1569Y] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
BIN1	ab250618	EPR13463	Anti-BIN1 antibody [EPR13463] - BSA and Azide free	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
BRAF (mutated V600E)	ab228461	VE1	Anti-BRAF (mutated V600E) antibody [VE1]	Human	TSA	1.Cell Rep 2020 PMID: 32553158 fig6
BRCA1	ab264518	MS110	Anti-BRCA1 antibody [MS110] - BSA and Azide free	Human	IMC™	The clone is validated by Standard BioTools™
BRG1	ab215998	EPNCIR111A	Recombinant Anti-BRG1 antibody [EPNCIR111A] - BSA and Azide free	Mouse, Rat, Human	IMC™	Abcam product reviews
C11B2/CYP11B2	ab168388	EPR10494	Anti-C11B2/CYP11B2 antibody [EPR10494]	Human	TSA	Validated by abcam
C11B2/CYP11B2	ab249476	EPR10494	Anti-C11B2/CYP11B2 antibody [EPR10494] - BSA and Azide free	Human	TSA	Validated by abcam
CA9	ab108351	EPR4151(2)	Anti-Carbonic Anhydrase 9/CA9 antibody [EPR4151(2)]	Human	TSA	1. Front Oncol 2021 PMID: 33718186 fig4.AB
Calbindin	ab108404	EP3478	Anti-Calbindin antibody [EP3478]	Human, Mouse, Rat	TSA	Validated by abcam
Calbindin	ab233018	EP3478	Anti-Calbindin antibody [EP3478] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
Calbindin	ab233018	EP3478	Anti-Calbindin antibody [EP3478] - BSA and Azide free	Mouse, Rat, Human	CODEX®	1. STAR Protoc 2021 PMID: 34430920
Calponin 1	ab216651	EP798Y	Rabbit monoclonal [EP798Y] to Calponin 1 - BSA and Azide free	Mouse, Rat, Dog, Human, Pig	IMC™	Validated by IMC™ user community
CaMKII	ab227108	EPR6686(2)	Anti-CaMKII antibody [EPR6686(2)] - BSA and Azide free	Mouse, Rat, Human	CODEX®	Validated in CODEX® by Akoya Biosciences
CaMKII (phospho T286)	ab171095	22B1	Anti-CaMKII (phospho T286) antibody [22B1]	Human, Mouse, Rabbit, Rat	CyTOF®	Validated by CyTOF® user community
Carbonic Anhydrase 9/CA9	ab270401	EPR23055-5	Rabbit monoclonal [EPR23055-5] to Carbonic Anhydrase 9/CA9 - BSA and Azide free	Mouse, Rat, Human	IMC™	Xu Xiao et al., bioRxiv 2022 fig1.b doi:10.1101/2022.01.15.476480
Carboxypeptidase A	ab278044	EPR24384-69	Anti-Carboxypeptidase A antibody [EPR24384-69]	Human, Mouse, Rat	TSA	Validated by abcam
Carboxypeptidase A	ab278047	EPR24384-69	Anti-Carboxypeptidase A antibody [EPR24384-69] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
CaSR	ab259846	EPR24050-59	Anti-CaSR antibody [EPR24050-59]	Human, Mouse, Rat	TSA	Validated by abcam
CaSR	ab280360	EPR24050-59	Anti-CaSR antibody [EPR24050-59] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
CCR3	ab228341	Y31	Recombinant Anti-CCR3 antibody [Y31] - Low endotoxin, Azide free	Mouse, Rat, Human	IMC™	Abcam product reviews
CD10	ab243934	SP179	Anti-CD10 antibody [SP179] - BSA and Azide free	Mouse, Rat, Human	CODEX®	Validated by users from CODEX® community
CD10	ab255609	EPR22865-73	Anti-CD10 antibody [EPR22865-73]	Human, Mouse, Rat	TSA	Validated by abcam
CD10	ab256767	EPR22865-73	Anti-CD10 antibody [EPR22865-73] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
CD103	ab237854	ITGAE/2063	Anti-CD103 antibody [ITGAE/2063] - BSA and Azide free	Human	CODEX®	Nat Commun 2021 PMID: 34385456 fig 5

CD103	ab271889	EPR4166(2)	Rabbit monoclonal [EPR4166(2)] to CD103 - BSA and Azide free	Human	IMC™	JCI Insight 2020 PMID: 32853177 fig6.AD
CD103	ab221210	EPR4166(2)	Rabbit monoclonal [EPR4166(2)] to CD103 - Low endotoxin, Azide free	Human	IMC™	Natasja L. de Vries et al., bioRxiv 2021 fig1.ef; fig4g
CD107a	ab25630	H4A3	Anti-LAMP1 antibody [H4A3]	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
CD117	ab65525	2B8	Anti-c-Kit antibody [2B8]	Mouse	CODEX®	Validated by users from CODEX® community
CD11a	ab185767	HI111	Anti-CD11a antibody [HI111] - Low endotoxin, Azide free	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
CD11b	ab133357	EPR1344	Anti-CD11b antibody [EPR1344]	Mouse, Rat, Human (predicted: Pig, Rhesus monkey)	TSA	1. J Immunol 2019 PMID: 30510069 2.Mol Ther Oncolytics 2020 PMID: 32478167 fig.7
CD11b	ab237965	M1/70	Anti-CD11b antibody [M1/70] - BSA and Azide free	Mouse, Human	CODEX®	1. Cell 2018 PMID: 30078711 Fig 3 2. JCI Insight 2021 PMID: 34003797 Fig 10
CD11b	ab216445	EPR1344	Anti-CD11b antibody [EPR1344] - Low endotoxin, Azide free	Mouse, Rat, Human	CODEX®	1.Cell. 2020 PMID:32763154 Fig 2C, 2D, 2F, 3F, S1A, S3 2. Front Immunol 2021 PMID: 34093591 3. Nat Commun 2021 PMID: 34795254 figs1.d
CD11b	ab34216	ICRF44	Anti-CD11b antibody [ICRF44]	Human, Pig, Chimpanzee, Cynomolgus monkey, Rhesus monkey	CODEX®	1. Eur J Immunol 2021 PMID: 33548142 Fig 3C
CD11b	ab209970	EPR1344	Anti-CD11b antibody [EPR1344] - BSA and Azide free	Human, Mouse, Pig, Rat, Rhesus monkey	IMC™	The clone is validated by Standard BioTools™; Publication (PMID: 30713110)
CD11b	ab241408	SP330	Rabbit monoclonal [SP330] to CD11b - BSA and Azide free	Human	IMC™	Xu Xiao et al., bioRxiv 2022 fig1.b doi:10.1101/2022.01.15.476480
CD11c	ab219799	EPR21826	Anti-CD11c antibody [EPR21826]	Mouse	TSA	1.Methods Enzymol 2019 PMID: 32122555 fig.3
CD11c	ab216655	EP1347Y	Anti-CD11c antibody [EP1347Y] - BSA and Azide free	Human	TSA	1. Nat Commun 2020 PMID: 33293583 fig 6g
CD11c	ab216655	EP1347Y	Anti-CD11c antibody [EP1347Y] - BSA and Azide free	Human	CODEX®	1.Cell. 2020 PMID:32763154 Fig 2, 3, S1, S3 2. Front Immunol 2021 PMID: 34093591 fig2.A; fig3.C 3. Nat Commun 2021 PMID: 34795254 fig2.a; figs1.d; figs3.a
CD11c	ab190305	L161	Anti-CD1c antibody [L161]	Human	CODEX®	1. Eur J Immunol 2021 PMID: 33548142 Fig 3C
CD11c	ab216655	EP1347Y	Recombinant Anti-CD11c antibody [EP1347Y] - BSA and Azide free	Human	CytoF®, IMC™, MIBI-TOF	1.Front Immunol 2021 PMID: 34868043; 2.Allison C. Billi et al., bioRxiv 2021 fig7.g; figs4; 3.Natasja L. de Vries et al., bioRxiv 2021 4. Also validated by IMC™ user community
CD11c	ab11029	3.9	Anti-CD11c antibody [3.9]	Human, Mouse, Rat	IMC™	Front Immunol. 2019 Jul 9;10:1571.
CD11c	ab240558	EPR21826	Recombinant Anti-CD11c antibody [EPR21826] - BSA and Azide free	Mouse	IMC™	Abcam product reviews
CD123	ab21562	6H6	Anti-IL3RA/CD123 antibody [6H6]	Human	CODEX®	1. Validated in CODEX® by Akoya Biosciences 2. Validated by users from CODEX® community
CD127	ab240225	EPR2955(2)	Anti-CD127 antibody [EPR2955(2)] - BSA and Azide free	Human, Mouse, Rat	IMC™	1.Xu Xiao et al., bioRxiv 2022 fig1.b doi:10.1101/2022.01.15.476480; 2. The clone is validated by Standard BioTools™;
CD134 / OX40L receptor	ab234239	Ber-ACT35	Anti-CD134 / OX40L receptor antibody [Ber-ACT35]	Human	CODEX®	1.Cell. 2020 PMID:32763154 Fig 2
CD134 / OX40L receptor	ab245756	SP195	Recombinant Anti-CD134 / OX40L receptor antibody [SP195] - BSA and Azide free	Human	IMC™	Validated by IMC™ user community
CD138	ab234160	MI15	Anti-Syndecan-1 antibody [MI15]	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
CD14	ab230903	SP192	Anti-CD14 antibody [SP192] - BSA and Azide free	Human	CODEX®	Validated by users from CODEX® community
CD14	ab226121	EPR3653	Anti-CD14 antibody [EPR3653] - BSA and Azide free	Human	IMC™	1. The clone is validated by Standard BioTools™; 2. Publication (PMID: 30713110); 3. JCI Insight 2020 PMID: 32853177 fig6.AD
CD14	ab209971	EPR3652	Anti-CD14 antibody [EPR3652] - BSA and Azide free	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
CD14	ab226121	EPR3653	Anti-CD14 antibody [EPR3653] - BSA and Azide free	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
CD141	ab24595	Phx-01	Anti-Thrombomodulin antibody [Phx-01]	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
CD144/VE-Cadherin	ab91064	BV13	Anti-VE Cadherin antibody [BV13] - Intercellular Junction Marker	Mouse	CODEX®	Validated by users from CODEX® community
CD146	ab230295	P1H12	Anti-CD146 antibody [P1H12] - BSA and Azide free	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
CD15	ab220182	FUT4/815	Anti-CD15 antibody [FUT4/815]	Species independent	TSA	1.J Biomed Mater Res B Appl Biomater 2020 PMID: 32475069 fig 10
CD15	ab17080	MMA	Anti-CD15 antibody [MMA]	Species independent	CODEX®	1.Cell. 2020 PMID:32763154 Fig 4D
CD16	ab176528	3G8	Anti-CD16 antibody [3G8] - Low endotoxin, Azide free	Non-human primates, Human	CODEX®	1. Eur J Immunol 2021 PMID: 33548142 Fig 3C
CD16	ab215977	EPR16784	Recombinant Anti-CD16 antibody [EPR16784] - Low endotoxin, Azide free	Human, Rat	IMC™	1.This clone is validated by the Single Cell & Imaging Mass Cytometry Analysis Platform, Goodman Cancer Research Centre, McGill University; 2.JCI Insight 2020 PMID: 32853177 fig6.AD

CD161	ab302564	EPR26340-6	Anti-CD161 antibody [EPR26340-6]	Human	TSA	Validated by abcam
CD161	ab302565	EPR26340-6	Anti-CD161 antibody [EPR26340-6] (BSA and Azide free)	Human	TSA	Validated by abcam
CD161	ab197979	Rabbit polyclonal	Anti-CD161 antibody	Mouse, Human	IMC™	Abcam product reviews
CD162	ab110096	HECA-452	Anti-PSGL-1 antibody [HECA-452]	Human	CODEX®	1.Front Immunol 2021 PMID:34093591 Fig S4
CD163	ab213612	EPR19518	Anti-CD163 antibody [EPR19518] - BSA and Azide free	Mouse, Rat, Human	CODEX®	Validated by users from CODEX® community
CD163	ab182422	EPR19518	Anti-CD163 antibody [EPR19518]	Mouse, Rat, Human	TSA	1.Clin Transl Med 2020 PMID: 33377644 fig.5
CD163	ab213612	EPR19518	Anti-CD163 antibody [EPR19518] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
CD163	ab213612	EPR19518	Recombinant Anti-CD163 antibody [EPR19518] - BSA and Azide free	Human, Mouse, Rat	IMC™	Front Endocrinol (Lausanne) 2022 PMID: 35399956 fig5.C
CD163	ab215976	EPR14643-36	Rabbit monoclonal [EPR14643-36] to CD163 - Low endotoxin, Azide free	Human	IMC™	Natasja L. de Vries et al., bioRxiv 2021 doi: 10.1101/2021.10.14.464229
CD169	ab53443	3D6.112	Anti-Sialoadhesin/CD169 antibody [3D6.112]	Mouse	CODEX®	1. JCI Insight 2021 PMID: 34003797 Fig 10
CD19	ab270628	1D3	Anti-CD19 antibody [1D3] - Low endotoxin, Azide free	Mouse	CODEX®	1. Cell 2018 PMID: 30078711 Fig 3
CD19	ab185768	H1B19	Anti-CD19 antibody [H1B19] - Low endotoxin, Azide free	Human	CODEX®	1. Eur J Immunol 2021 PMID: 33548142 Fig 3C
CD19	ab185768	H1B19	Mouse monoclonal [H1B19] to CD19 - Low endotoxin, Azide free	Human	IMC™	The clone is validated by Standard BioTools™, but is not guaranteed by abcam for IHC-Fr and IHC-P application
CD1a	ab212983	O10+C1A/711	Anti-CD1a antibody [O10+C1A/711] - BSA and Azide free	Human	CODEX®	1.Front Immunol 2021 PMID:34093591 Fig 2, 3
CD1d	ab95732	51.1	Anti-CD1d antibody [51.1]	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
CD20	ab64088	SP32	Anti-CD20 antibody [SP32]	Mouse, Rat, Human	TSA	Lab Invest 2017 PMID: 28504684
CD20	ab236434	SP32	Anti-CD20 antibody [SP32] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
CD20	ab219329	rIGEL/773	Anti-CD20 antibody [rIGEL/773]	Human	CODEX®	1.Cell. 2020 PMID:32763154 Fig 2, 3, S1, S3
CD204	ab283512	EPR24403-17	Rabbit monoclonal [EPR24403-17] to CD204 - BSA and Azide free	Human	IMC™	Validated by IMC™ user community
CD205	ab208649	EPR5233	Anti-LY75/DEC-205 antibody [EPR5233] - BSA and Azide free	Mouse, Human	CODEX®	Validated in CODEX® by Akoya Biosciences
CD206	ab270634	15-2	Anti-Mannose Receptor antibody [15-2] - Low endotoxin, Azide free	Human	CODEX®	Validated by users from CODEX® community
CD206	ab64693	Rabbit polyclonal	Anti-Mannose Receptor antibody	Mouse, Rat, Human	TSA	1. Anat Histol Embryol 2020 PMID: 33305867 fig 1
CD208	ab281573	EPR24265-8	Rabbit monoclonal [EPR24265-8] to CD208 - BSA and Azide free	Human	IMC™	Validated by IMC™ user community
CD209	ab218883	C209/1781	Mouse monoclonal [C209/1781] to DC-SIGN - BSA and Azide free	Human	IMC™	Validated by IMC™ user community
CD21	ab54253	Bu32	Anti-CD21 antibody [Bu32]	Human	CODEX®	1.Cell. 2020 PMID:32763154 Fig 3, S1, S3; 2. Eur J Immunol 2021 PMID: 33548142 Fig 3C
CD21	ab271855	EP3093	Anti-CD21 antibody [EP3093] - BSA and Azide free	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
CD235ab	ab15009	HIR2	Anti-Glycophorin A + B antibody [HIR2]	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
CD24	ab278510	ML5	Anti-CD24 antibody [ML5] - BSA and Azide free	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
CD25	ab215378	EPR6452	Anti-IL-2 Receptor alpha antibody [EPR6452] - BSA and Azide free	Human	IMC™	The clone is validated by Standard BioTools™
CD25	ab86908	PC61	Anti-IL-2 Receptor alpha antibody [PC61]	Mouse	CODEX®	Validated in CODEX® by Akoya Biosciences
CD27	ab131254	EPR8569	Anti-CD27 antibody [EPR8569]	Human	TSA	1. Cell 2020 PMID: 32877699 fig S5
CD27	ab185776	LG.3A10	Anti-CD27 antibody [LG.3A10] - Low endotoxin, Azide free	Mouse, Human	CODEX®	1. Cell 2018 PMID: 30078711 Fig 3
CD27	ab256583	EPR8569	Anti-CD27 antibody [EPR8569] - BSA and Azide free	Human	IMC™	1. The clone is validated by Standard BioTools™; 2. JCI Insight 2020 PMID: 32853177 fig6.AD
CD27	ab185776	LG.3A10	Armenian hamster monoclonal [LG.3A10] to CD27 - Low endotoxin, Azide free	Mouse, Human	IMC™	The clone is validated by Standard BioTools™, but is not guaranteed by abcam for IHC-Fr and IHC-P application
CD28	ab85986	CD28.2	Anti-CD28 antibody [CD28.2] - Low endotoxin, Azide free	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
CD3	ab21703	SP7	Anti-CD3 antibody [SP7], prediluted	Human, Mouse, Rat	TSA	Validated by abcam
CD3	ab16669	SP7	Anti-CD3 antibody [SP7]	Human, Mouse, Rat	TSA	1. Cancer Cell 2019 PMID: 31564637 2. Cell Mol Immunol 2020 PMID: 31324882 fig 8 3. Validated by abcam
CD3	ab205228	SP7	Anti-CD3 antibody [SP7] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
CD3	ab215267	UCH-T1	Anti-CD3 antibody [UCH-T1] - BSA and Azide free	Human	CODEX®	1. Eur J Immunol 2021 PMID: 33548142 Fig 3C
CD3	ab245731	SP162	Anti-CD3 antibody [SP162] - BSA and Azide free	Mouse, Human	CODEX®	1. Yilun Cheng et al., bioRxiv 2020 fig2.AC
CD3	ab5690	Rabbit polyclonal	Anti-CD3 antibody	Human, Mouse, Rat	IMC™	Abcam product reviews

CD3	ab5690	Rabbit polyclonal	Anti-CD3 antibody	Human, Mouse, Rat	IMC™	Nat Methods. 2014 Apr;11(4):417-22.PMID: 24584193
CD3	ab271850	EP449E	Rabbit monoclonal [EP449E] to CD3 epsilon - BSA and Azide free	Human	IMC™	Natasja L. de Vries et al., bioRxiv 2021
CD3	ab174589	145-2C11	Anti-CD3 epsilon antibody [145-2C11] - Low endotoxin, Azide free	Mouse	CODEX®	Validated in CODEX® by Akoya Biosciences
CD3 epsilon	ab279474	SP7	Anti-CD3 epsilon antibody [SP7]	Human, Mouse, Rat	TSA	Validated by abcam
CD30	ab134080	EPR4102	Anti-CD30 antibody [EPR4102]	Human	TSA	1.Front Oncol 2019 PMID: 31616638 fig1
CD31	ab182981	EPR17259	Anti-CD31 antibody [EPR17259]	Human, Mouse, Rat	TSA	Validated by abcam
CD31	ab225883	EPR17259	Anti-CD31 antibody [EPR17259] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
CD31	ab252265	WM59	Anti-CD31 antibody [WM59] - BSA and Azide free	Human	CODEX®	1. Eur J Immunol 2021 PMID: 33548142 Fig 3C
CD31	ab207090	EPR3094	Anti-CD31 antibody [EPR3094] - BSA and Azide free	Human	IMC™	The clone is validated by Standard BioTools™
CD31	ab252265	WM59	Mouse monoclonal [WM59] to CD31 - BSA and Azide free	Human	IMC™	The clone is validated by Standard BioTools™, but is not guaranteed by abcam for IHC-Fr and IHC-P application
CD31	ab226157	EP3095	Anti-CD31 antibody [EP3095] - BSA and Azide free	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
CD33	ab30371	WM53	Anti-CD33 antibody [WM53]	Human	CyTOF®, IMC™	Front Immunol. 2019 Jul 9;10:1571.
CD34	ab8536	QBEND-10	Anti-CD34 antibody [QBEND-10]	Human, Cynomolgus monkey, Rhesus monkey	TSA	1.J Biomed Mater Res B Appl Biomater2020 PMID: 32475069 fig 10
CD34	ab81289	EP373Y	Anti-CD34 antibody [EP373Y]	Mouse, Rat, Human	TSA	1.Methods Enzymol 2019 PMID: 32122555 fig.3 2. Front Oncol 2021 PMID: 33718186 fig4.AB 3. Cancers (Basel) 2020 PMID: 33322215
CD34	ab213054	QBEnd/10	Anti-CD34 antibody [QBEnd/10] - BSA and Azide free	Human	CODEX®	1.Cell. 2020 PMID:32763154 Fig 2, 3, S1, S3
CD34	ab198395	EP373Y	Recombinant Anti-CD34 antibody [EP373Y] - BSA and Azide free	Mouse, Sheep, Dog, Human, African bush elephant	IMC™	Abcam product reviews
CD35	ab25	E11	Anti-CD35 antibody [E11] - BSA and Azide free	Human, Baboon, Cynomolgus monkey, Rhesus monkey	TSA	1. Cell 2020 PMID: 32877699 fig S1
CD35	ab245683	8C12	Anti-CD35 antibody [8C12]	Rat	CODEX®	1. Cell 2018 PMID: 30078711 Fig 3
CD35	ab25	E11	Anti-CD35 antibody [E11] - BSA and Azide free	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
CD36	ab269351	CB38	Anti-CD36 antibody [CB38]	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
CD38	ab226034	EPR4106	Anti-CD38 antibody [EPR4106] - BSA and Azide free	Human	CODEX®	1.Cell. 2020 PMID:32763154 Fig 3, S1, S3 2.Front Immunol 2021 PMID: 34093591 fig2.A; fig3.C 3. Nat Commun 2021 PMID: 34795254 figs1.d
CD38	ab252804	HB-7	Anti-CD38 antibody [HB-7] - BSA and Azide free	Human	CODEX®	1. Eur J Immunol 2021 PMID: 33548142 Fig 3C
CD38	ab176886	EPR4106	Recombinant Anti-CD38 antibody [EPR4106] - Low endotoxin, Azide free	Human	CyTOF®, IMC™	1.Cell. 2017 May 4;169(4):736-749.e18. 2.Cell Metab. 2019 Mar 5;29(3):755-768.e5.;PMID: 30713109 3. JCI Insight 2021 PMID: 33621209
CD38	ab226034	EPR4106	Rabbit monoclonal [EPR4106] to CD38 - BSA and Azide free	Human	IMC™	Natasja L. de Vries et al., bioRxiv 2021 doi: 10.1101/2021.10.14.464229
CD38	ab239595	90	Anti-CD38 antibody [90] - BSA and Azide free	Mouse	CODEX®	Validated in CODEX® by Akoya Biosciences
CD39	ab236038	EPR20627	Recombinant Anti-CD39 antibody [EPR20627] - BSA and Azide free	Human, Mouse	IMC™	1.The clone is validated by the Single Cell & Imaging Mass Cytometry Analysis Platform, Goodman Cancer Research Centre, McGill University; 2.Natasja L. de Vries et al., bioRxiv 2021 fig1.ef; fig4g doi: 10.1101/2021.10.14.464229
CD39	ab189258	A1	Anti-CD39 antibody [A1]	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
CD3D	ab226073	EP4426	Anti-CD3D antibody [EP4426] - BSA and Azide free	Mouse, Rat, Human	CODEX®	Validated in CODEX® by Akoya Biosciences
CD3e	ab271850	EP449E	Anti-CD3 epsilon antibody [EP449E] - BSA and Azide free	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
CD4	ab133616	EPR6855	Anti-CD4 antibody [EPR6855]	Human	TSA	1. Leukemia 2019 PMID: 30635636 2. Thyroid 2020 PMID: 32611231 3.Cancer Res Treat 2020 PMID: 32878426 fig 1 4. Nat Commun 2021 PMID: 34795254 fig 4k
CD4	ab181724	EPR6855	Anti-CD4 antibody [EPR6855] - BSA and Azide free	Human	CODEX®	1.Cell. 2020 PMID:32763154 Fig 3, S1, S3 2. Front Immunol 2021 PMID: 34093591 fig2.A; fig3.C; fig4.A 3. Nat Commun 2021 PMID: 34795254 fig2.a; fig4.ek; figs1.d; figs3.a
CD4	ab181724	EPR6855	Anti-CD4 antibody [EPR6855] - BSA and Azide free	Human	IMC™	1. The clone is validated by the Single Cell & Imaging Mass Cytometry Analysis Platform, Goodman Cancer Research Centre, McGill University; 2.Natasja L. de Vries et al., bioRxiv 2021 fig1d; fig4f doi: 10.1101/2021.10.14.464229

CD40	ab79518	HB14	Anti-CD40 antibody [HB14]	Human	CODEX*	1. Eur J Immunol 2021 PMID: 33548142 Fig 3C
CD40	ab223546	EPR20540	Recombinant Anti-CD40 antibody [EPR20540] - Low endotoxin, Azide free	Human	IMC™	The clone is validated by the Single Cell & Imaging Mass Cytometry Analysis Platform, Goodman Cancer Research Centre, McGill University;
CD40	ab228818	EPR20735	Recombinant Anti-CD40 antibody [EPR20735] - BSA and Azide free	Human	IMC™	Validated by IMC™ user community
CD44	ab213072	156-3C11	Anti-CD44 antibody [156-3C11] - BSA and Azide free	Human, Baboon	CODEX*	Validated in CODEX* by Akoya Biosciences
CD45	ab233273	RA3-6B2	Anti-CD45 antibody [RA3-6B2]	Mouse	CODEX*	1. Cell 2018 PMID: 30078711 Fig 1E, Fig 3 2. JCI Insight 2021 PMID: 34003797 Fig 10
CD45	ab269347	HI30	Anti-CD45 antibody [HI30]	Human	CODEX*	1. Eur J Immunol 2021 PMID: 33548142 Fig 3C
CD45	ab185744	30-F11	Anti-CD45 antibody [30-F11] - Low endotoxin, Azide free	Mouse	CODEX*	1. JCI Insight 2021 PMID: 34003797 Fig 10
CD45RO	ab23	UCH-L1	Anti-CD45RO antibody [UCH-L1]	Human	TSA	1. Cancer Res Treat 2020 PMID: 32878426 fig S5
CD45RO	ab23	UCH-L1	Anti-CD45RO antibody [UCH-L1]	Human	CODEX*	1. Cell. 2020 PMID: 32763154 Fig 3, S1, S3
CD45RO	ab23	UCH-L1	Anti-CD45RO antibody [UCH-L1]	Human	IMC™	The clone is validated by Standard BioTools™
CD5	ab234191	53-7.3	Anti-CD5 antibody [53-7.3]	Mouse	CODEX*	1. Cell 2018 PMID: 30078711 Fig 3
CD54	ab119871	YN1/1.7.4	Anti-ICAM1 antibody [YN1/1.7.4]	Mouse, Rat	CODEX*	Validated in CODEX* by Akoya Biosciences
CD56	ab9018	RNL-1	Anti-NCAM1 antibody [RNL-1]	Human, Mouse, Rat	IMC™	Front Immunol. 2019 Jul 9;10:1571.
CD59	ab79520	p282 (H19)	Anti-CD59 antibody [p282 (H19)]	Human, Baboon	CODEX*	Validated in CODEX* by Akoya Biosciences
CD62L	ab119834	MEL-14	Anti-CD62L antibody [MEL-14]	Mouse	CODEX*	Validated by users from CODEX* community
CD62L	ab255953	DREG-56	Anti-CD62L antibody [DREG-56] - BSA and Azide free	Human	CODEX*	Validated in CODEX* by Akoya Biosciences
CD68	ab192847	SP251	Anti-CD68 antibody [SP251]	Human	TSA	1. Validated by abcam; 2. Lab Invest 2017 PMID: 28504684
CD68	ab213363	EPR20545	Anti-CD68 antibody [EPR20545]	Human	TSA	Validated by abcam
CD68	ab955	KP1	Anti-CD68 antibody [KP1]	Human	TSA	1. Leukemia 2018 PMID: 29925907 2. Nat Commun 2020 PMID: 33293583 fig 7j
CD68	ab227458	EPR20545	Anti-CD68 antibody [EPR20545] - BSA and Azide free	Human	TSA	Validated by abcam
CD68	ab271959	SP251	Anti-CD68 antibody [SP251] - BSA and Azide free	Human	TSA	Validated by abcam
CD68	ab233172	KP1	Anti-CD68 antibody [KP1] - BSA and Azide free	Human	CODEX*	1. Cell. 2020 PMID: 32763154 Fig 4D
CD68	ab233172	KP1	Recombinant Anti-CD68 antibody [KP1] - BSA and Azide free	Human	IMC™	The clone is validated by the Single Cell & Imaging Mass Cytometry Analysis Platform, Goodman Cancer Research Centre, McGill University;
CD68	ab279485	SP251	Anti-CD68 antibody [SP251]	Human	TSA	Validated by abcam
CD68	ab237968	FA-11	Anti-CD68 antibody [FA-11] - BSA and Azide free	Mouse	CODEX*	Validated in CODEX* by Akoya Biosciences
CD69	ab234512	EPR21814	Anti-CD69 antibody [EPR21814] - BSA and Azide free	Human	CODEX*	Nat Commun 2021 PMID: 34385456 fig 5
CD7	ab230834	EPR4242	Recombinant Anti-CD7 antibody [EPR4242] - BSA and Azide free	Human	IMC™	Natasja L. de Vries et al., bioRxiv 2021 doi: 10.1101/2021.10.14.464229
CD7	ab230834	EPR4242	Anti-CD7 antibody [EPR4242] - BSA and Azide free	Mouse, Rat, Human	CODEX*	Validated in CODEX* by Akoya Biosciences
CD73	ab256590	EPR6115	Anti-CD73 antibody [EPR6115] - BSA and Azide free	Human	IMC™	The clone is validated by Standard BioTools™
CD74	ab213104	LN-2	Anti-CD74 antibody [LN-2] - BSA and Azide free	Baboon, Human, Mouse	IMC™	The clone is validated by Standard BioTools™
CD74	ab247655	EPR4064	Anti-CD74 antibody [EPR4064] - BSA and Azide free	Human	CODEX*	Validated in CODEX* by Akoya Biosciences
CD79a	ab213110	JCB117	Anti-CD79a antibody [JCB117] - BSA and Azide free	Human	CODEX*	1. Cell. 2020 PMID: 32763154 Fig S1
CD8	ab178089	SP239	Anti-CD8 alpha antibody [SP239]	Human	TSA	Lab Invest 2017 PMID: 28504684
CD8	ab101500	SP16	Anti-CD8 alpha antibody [SP16]	Human	TSA	1. Immunity 2019 PMID: 30635237 2. Cancer Cell 2019 PMID: 30753825 3. PLoS One 2021 PMID: 33596250 fig1.i.; fig2; fig4.AC; fig5.A
CD8	ab17147	C8/144B	Anti-CD8 alpha antibody [C8/144B]	Human	TSA	1. Cell 2017 PMID: 28622514 2. Nat Commun 2021 PMID: 34795254 fig 4k
CD8	ab85792	Rabbit polyclonal	Anti-CD8 alpha antibody	Human	TSA	1. Cell 2020 PMID: 32877699 fig S4
CD8 alpha	ab270627	53-6.7	Anti-CD8 alpha antibody [53-6.7] - Low endotoxin, Azide free	Mouse	CODEX*	1. Cell 2018 PMID: 30078711 Fig 3 2. JCI Insight 2021 PMID: 34003797 Fig 10
CD8 alpha	ab213020	C8/468 + C8/144B	Anti-CD8 alpha antibody [C8/468 + C8/144B] - BSA and Azide free	Human	IMC™	Validated by IMC™ user community
CD8 alpha	ab236230	SP239	Anti-CD8 alpha antibody [SP239] - BSA and Azide free	Human	TSA	Validated by abcam
CD8 alpha	ab237709	CAL66	Anti-CD8 alpha antibody [CAL66]	Human, Rat	TSA	Validated by abcam
CD8 alpha	ab251596	CAL66	Anti-CD8 alpha antibody [CAL66] - BSA and Azide free	Human, Rat	TSA	Validated by abcam
CD86	ab213044	BU63	Anti-CD86 antibody [BU63] - BSA and Azide free	Human	CODEX*	Validated by users from CODEX* community
CD86	ab220188	C86/1146	Anti-CD86 antibody [C86/1146]	Human	TSA	1. Anat Histol Embryol 2020 PMID: 33305867 fig 1
CD89	ab234188	A59	Anti-CD89 antibody [A59]	Human	CODEX*	Validated in CODEX* by Akoya Biosciences
CD9	ab22215	MEM-61	Anti-CD9 antibody [MEM-61]	Human	Mass Cytometry (CyTOF*)	Validated by abcam
CD90	ab123511	5E10	Anti-CD90 / Thy1 antibody [5E10]	Human	CODEX*	1. Eur J Immunol 2021 PMID: 33548142 Fig 3C

CD93	ab248674	EPR5386	Anti-CD93 antibody [EPR5386] - BSA and Azide free	Rat, Human	CODEX®	STAR Protoc 2021 PMID: 34430920
Cdk6 (phospho Y24)	ab131469	Rabbit polyclonal	Anti-Cdk6 (phospho Y24) antibody	Human, Mouse	CyTOF®	Validated by CyTOF® user community
Cdk8	ab115155	Rabbit polyclonal	Anti-Cdk8 antibody	Human	IMC™	Abcam product reviews
CDKN2A/p16INK4a	ab186932	EPR1473	Rabbit monoclonal [EPR1473] to CDKN2A/p16INK4a - BSA and Azide free	Human	CyTOF®	Cell Rep 2021 PMID: 33626356
CDT1	ab236152	EPR17891	Rabbit monoclonal [EPR17891] to CDT1/DUP - BSA and Azide free	Human	CyTOF®	Cytometry A 2020 PMID: 31943748 fig3.ad
CDX2	ab234035	CDX2/1690	Anti-CDX2 antibody [CDX2/1690] - BSA and Azide free	Human	CODEX®	1.Cell. 2020 PMID:32763154 Fig S3
CEACAM1	ab104450	YTH71.3	Anti-CEACAM1 antibody [YTH71.3]	Human	IMC™	Abcam product reviews
Chondroitin Sulfate	ab11570	CS-56	Anti-Chondroitin Sulfate antibody [CS-56]	Mouse, Chicken, Cow, Human, Apterionotus leptorhynchus	IMC™	Although the antibody is validated by the customer in IMC application tested for mouse tissue, but is not guaranteed by abcam for testing the antibody in IHC-P application and please note that the antibody isotype is IgM
Chromogranin A	ab212295	LK2H10 + PHE5 + CGA/414	Anti-Chromogranin A antibody [LK2H10 + PHE5 + CGA/414] - BSA and Azide free	Human	CODEX®	1.Cell. 2020 PMID:32763154 Fig S3
Chromogranin A	ab254557	EPR22537-249	Anti-Chromogranin A antibody [EPR22537-249]	Human, Mouse, Rat	TSA	Validated by abcam
Chromogranin A	ab256169	EPR22537-249	Anti-Chromogranin A antibody [EPR22537-249] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
CK	ab7753	C-11	Anti-pan Cytokeratin antibody [C-11]	Rat, Goat, Human, Common marmoset	TSA	1.abcam internal validation 2.Clin Transl Med 2020 PMID: 33377644 fig.5
Claudin 5	ab236066	EPR7583	Recombinant Anti-Claudin 5 antibody [EPR7583] - BSA and Azide free	Human, Mouse	IMC™	The clone is validated by the Single Cell & Imaging Mass Cytometry Analysis Platform, Goodman Cancer Research Centre, McGill University;
CLEC9A	ab245121	EPR22324	Anti-CLEC9A antibody [EPR22324] - BSA and Azide free	Human	CODEX®	Validated by users from CODEX® community
CLEC9A	ab245121	EPR22324	Rabbit monoclonal [EPR22324] to CLEC9A - BSA and Azide free	Human	IMC™	Validated by IMC™ user community
Collagen I	ab34710	Rabbit polyclonal	Anti-Collagen I antibody	Mouse, Cow, Human	IMC™	Abcam product reviews
Collagen IV	ab6586	Rabbit polyclonal	Anti-Collagen IV antibody	Human	CODEX®	1. Cell. 2020 PMID:32763154 Fig 3, S1, S3 2. Eur J Immunol 2021 PMID: 33548142 fig3.BC
Collagen IV	ab256353	EPR22911-127	Recombinant Anti-Collagen IV antibody [EPR22911-127] - BSA and Azide free	Mouse, Rat, Human	IMC™	Abcam product reviews
Collagen VI	ab182744	EPR17072	Anti-Collagen VI antibody [EPR17072]	Mouse, Rat, Human	TSA	Validated by abcam
Collagen VI	ab271938	EPR17072	Anti-Collagen VI antibody [EPR17072] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
Collagen VI	ab229450	EPR17072	Recombinant Anti-Collagen VI antibody [EPR17072] - Low endotoxin, Azide free	Mouse, Rat, Human	IMC™	Abcam product reviews
CPT1A	ab128568	8F6AE9	Mouse monoclonal [8F6AE9] to CPT1A	Mouse, Rat, Human, Recombinant fragment	CyTOF®, MIBI-TOF	Nat Biotechnol 2021 PMID: 32868913
CPT2	ab231162	EPR13626	Rabbit monoclonal [EPR13626] to CPT2 - BSA and Azide free	Mouse, Rat, Human	MIBI-TOF	Nat Biotechnol 2021 PMID: 32868913
CS	ab233838	EPR8067	Rabbit monoclonal [EPR8067] to Citrate synthetase - BSA and Azide free	Mouse, Rat, Human	CyTOF®, MIBI-TOF	Nat Biotechnol 2021 PMID: 32868913
Ctip2	ab269367	EPR23120-25	Anti-Ctip2 antibody [EPR23120-25] - BSA and Azide free	Mouse, Rat, Human	CODEX®	Validated in CODEX® by Akoya Biosciences
CTLA4	ab19792	BNI3	Anti-CTLA4 antibody [BNI3]	Human	CODEX®	1. Eur J Immunol 2021 PMID: 33548142 Fig 3C
CXCR2	ab245982	EPR22301-103	Anti-CXCR2 antibody [EPR22301-103] - BSA and Azide free	Human	CODEX®	Validated by users from CODEX® community
CXCR5	ab225575	EPR8837	Recombinant Anti-CXCR5 antibody [EPR8837] - Low endotoxin, Azide free	Human, Mouse, Rat	CyTOF®	JCI insight, 2019, pii: 125306. DOI: 10.1172/jci.insight.125306
Cyclin D1	ab156448	EPR2241	Rabbit monoclonal [EPR2241] to Cyclin D1 - BSA and Azide free	Mouse, Rat, Human	IMC™	Validated by IMC™ user community
CYP11A1	ab272494	EPR24868-86	Anti-CYP11A1 antibody [EPR24868-86]	Human, Mouse, Rat	TSA	Validated by abcam
CYP11A1	ab288573	EPR24868-86	Anti-CYP11A1 antibody [EPR24868-86] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
Cytochrome C	ab76107	EP1326-80-5	Anti-Cytochrome C antibody [EP1326-80-5]	African green monkey, Human, Mouse	TSA	Validated by abcam
Cytochrome C	ab247438	EP1326-80-5	Anti-Cytochrome C antibody [EP1326-80-5] - BSA and Azide free	African green monkey, Human, Mouse	TSA	Validated by abcam

Cytokeratin 13	ab239918	EPR3671	Anti-Cytokeratin 13 antibody [EPR3671] - BSA and Azide free	Human	CODEX®	Nat Commun 2021 PMID: 34385456 fig 5
Cytokeratin 14	ab7800	LL002	Mouse monoclonal [LL002] to Cytokeratin 14	Human	IMC™	Validated by IMC™ user community
Cytokeratin 14	ab119695	SP53	Anti-Cytokeratin 14 antibody [SP53]	Human, Mouse, Rat	TSA	Validated by abcam
Cytokeratin 14	ab236439	SP53	Anti-Cytokeratin 14 antibody [SP53] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
Cytokeratin 17	ab212553	KRT17/778	Anti-Cytokeratin 17 antibody [KRT17/778] - BSA and Azide free	Human	CODEX®	Nat Commun 2021 PMID: 34385456 fig 5
Cytokeratin 18	ab93741	SP69	Anti-Cytokeratin 18 antibody [SP69]	Human	TSA	Validated by abcam
Cytokeratin 18	ab198380	SP69	Anti-Cytokeratin 18 antibody [SP69] - BSA and Azide free	Human	TSA	Validated by abcam
Cytokeratin 18	ab669	DA-7	Anti-Cytokeratin 18 antibody [DA-7]	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
Cytokeratin 19	ab52625	EP1580Y	Anti-Cytokeratin 19 antibody [EP1580Y] - Cytoskeleton Marker	Human, Mouse	TSA	Validated by abcam
Cytokeratin 19	ab195872	EP1580Y	Anti-Cytokeratin 19 antibody [EP1580Y] - BSA and Azide free	Human, Mouse	TSA	Validated by abcam
Cytokeratin 19	ab7754	A53-B/A2	Anti-Cytokeratin 19 antibody [A53-B/A2] - Cytoskeleton Marker	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
Cytokeratin 5	ab64081	SP27	Anti-Cytokeratin 5 antibody [SP27]	Human, Mouse, Rat	TSA	Validated by abcam
Cytokeratin 5	ab236216	SP27	Anti-Cytokeratin 5 antibody [SP27] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
Cytokeratin 5	ab52635	EP1601Y	Recombinant Anti-Cytokeratin 5 antibody [EP1601Y] - Cytoskeleton Marker	Human, Mouse, Rat	IMC™	1.Cell Syst. 2018 Jan 24;6(1):25-36.e5. Cell Syst. 2018 Jan 24;6(1):25-36.e5. 2.Nat Methods. 2017 Sep;14(9):873-876. PMID: 28783155 3.J Pathol. 2018 Apr;244(4):479-484.PMID: 29405336
Cytokeratin 7	ab215887	OV-TL12/30	Anti-Cytokeratin 7 antibody [OV-TL12/30] - BSA and Azide free	Human	CODEX®	1.Cell. 2020 PMID:32763154 Fig 2
Cytokeratin 7	ab181831	EPR1619Y	Anti-Cytokeratin 7 antibody [EPR1619Y] - BSA and Azide free	Human	CODEX®	1. STAR Protoc 2021 PMID: 34430920
Cytokeratin 7	ab9021	RCK105	Anti-Cytokeratin 7 antibody [RCK105] - Cytoskeleton Marker	Cat, Dog, Goat, Hamster, Human, Mouse, Pig, Rat, Zebrafish	IMC™, CyTOF®	The clone is validated by Standard BioTools™
Cytokeratin 7/17	ab670	C-46	Anti-Cytokeratin 7+17 antibody [C-46]	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
Cytokeratin 8	ab217173	EP1628Y	Recombinant Anti-Cytokeratin 8 antibody [EP1628Y] - BSA and Azide free	Human, Mouse	IMC™	Abcam product reviews
Cytokeratin 8+18	ab270289	C-51	Anti-Cytokeratin 8+18 antibody [C-51] - BSA and Azide free	Human	IMC™	The clone is validated by Standard BioTools™
DAI	ab232977	Rabbit polyclonal	Anti-DAI antibody	Human	IMC™	1. Abcam product reviews 2. Validated by IMC™ user community
DDX4 / MVH	ab270534	EPR24148-58	Anti-DDX4 / MVH antibody [EPR24148-58]	Human, Mouse, Rat	TSA	Validated by abcam
DDX4 / MVH	ab277638	EPR24148-58	Anti-DDX4 / MVH antibody [EPR24148-58] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
DDX60	ab139807	Rabbit polyclonal	Anti-DDX60 antibody	Mouse, Rat, Human	IMC™	Although the antibody is validated by IMC™ user community displayed via Abcam product reviews, but is not guaranteed by abcam for IHC-P application
DGKZ/DGK-zeta	ab239081	EPR22040-80	Anti-DGKZ/DGK-zeta antibody [EPR22040-80]	Human, Mouse, Rat	TSA	Validated by abcam
DGKZ/DGK-zeta	ab239790	EPR22040-80	Anti-DGKZ/DGK-zeta antibody [EPR22040-80] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
DHX58/RLR	ab67270	Rabbit polyclonal	Anti-DHX58/RLR antibody	Rat, Human	IMC™	Although the antibody is validated by the customer in IMC application, but is not guaranteed by abcam for IHC-P application
DNA/RNA Damage	ab62623	15A3	Anti-DNA/RNA Damage antibody [15A3]	Species independent	CyTOF®	J Neurosci Methods. 2019 Jan 15;312:73-83. PMID: 30465796
Dopamine Transporter	ab5990	hDAT-NT	Anti-Dopamine Transporter antibody [hDAT-NT]	Human, Mouse	CyTOF®	J Neurosci Methods. 2019 Jan 15;312:73-83. PMID: 30465796
Dopamine Transporter	ab221845	EPR19695	Anti-Dopamine Transporter antibody [EPR19695] - BSA and Azide free	Mouse, Rat	CODEX®	Validated in CODEX® by Akoya Biosciences
Doublecortin	ab222921	EPR19997	Anti-Doublecortin antibody [EPR19997] - BSA and Azide free	Mouse, Rat, Human	CODEX®	Validated in CODEX® by Akoya Biosciences
DR5	ab243847	EPR22276	Anti-DR5 antibody [EPR22276] - BSA and Azide free	Human	CODEX®	Validated by users from CODEX® community
DRP1	ab219596	EPR19274	Rabbit monoclonal [EPR19274] to DRP1 - BSA and Azide free	Mouse, Rat, Human	CyTOF®, MIBI-TOF	Nat Biotechnol 2021 PMID: 32868913
E Cadherin	ab201499	EP700Y	Recombinant Anti-E Cadherin antibody [EP700Y] - Low endotoxin, Azide free	Human	IMC™	Validated by IMC™ user community
E Cadherin	ab40772	EP700Y	Anti-E Cadherin antibody [EP700Y] - Intercellular Junction Marker	Human	TSA	Validated by abcam
E Cadherin	ab256580	EP700Y	Anti-E Cadherin antibody [EP700Y] - BSA and Azide free	Human	TSA	Validated by abcam

EGFR	ab272293	EP38Y	Anti-EGFR antibody [EP38Y] - BSA and Azide free	Mouse, Rat, Human	CyTOF®	Publication (PubMed ID: 30982598)
EGFR (phospho Y1068)	ab171022	Y38	Recombinant Anti-EGFR (phospho Y1068) antibody [Y38] - BSA and Azide free	Human, Pig	CyTOF®	Cell Rep. 2018 Apr 24;23(4):1205-1219. PMID: 29694896
ENO1	ab206120	EPR10863(B)	Rabbit monoclonal [EPR10863(B)] to ENO1 - BSA and Azide free	Mouse, Rat, Human	CyTOF®	Nat Biotechnol 2021 PMID: 32868913
eNOS	ab252439	EPR23750-3	Anti-eNOS antibody [EPR23750-3]	Human	TSA	Validated by abcam
eNOS	ab273574	EPR23750-3	Anti-eNOS antibody [EPR23750-3] - BSA and Azide free	Human	TSA	Validated by abcam
EpCAM	ab232539	EPR20532-222	Rabbit monoclonal [EPR20532-222] to EpCAM - BSA and Azide free	Mouse, Rat, Human	IMC™	Xu Xiao et al., bioRxiv 2022 fig1.b
EpCAM	ab223582	EPR20532-225	Anti-EpCAM antibody [EPR20532-225]	Human	TSA	Validated by abcam
EpCAM	ab225894	EPR20532-225	Anti-EpCAM antibody [EPR20532-225] - BSA and Azide free	Human	TSA	Validated by abcam
Eph receptor B2	ab252935	EPR22427-268	Anti-Eph receptor B2 antibody [EPR22427-268]	Human, Mouse, Rat	TSA	Validated by abcam
Eph receptor B2	ab252574	EPR22427-268	Anti-Eph receptor B2 antibody [EPR22427-268] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
ErbB2 / HER2	ab231438	SP101	Anti-ErbB2 / HER2 antibody [SP101]	Human	TSA	Validated by abcam
ErbB2 / HER2	ab240410	SP101	Anti-ErbB2 / HER2 antibody [SP101] - BSA and Azide free	Human	TSA	Validated by abcam
ErbB3 / HER3	ab93739	SP71	Anti-ErbB3 / HER3 antibody [SP71]	Human	TSA	Validated by abcam
ErbB3 / HER3	ab236220	SP71	Anti-ErbB3 / HER3 antibody [SP71] - BSA and Azide free	Human	TSA	Validated by abcam
ERK1 + ERK2	ab218017	EPR17526	Recombinant Anti-ERK1 + ERK2 antibody [EPR17526] - BSA and Azide free	Human, Mouse, Rat	CyTOF®	JCI insight, 2019, pii: 125306. DOI: 10.1172/jci.insight.125306
Estrogen Receptor alpha	ab167610	EPR4097	Anti-Estrogen Receptor alpha antibody [EPR4097] - BSA and Azide free	Human	IMC™, CyTOF®	Publication (PubMed ID: 31959985; 30982598)
Estrogen Receptor alpha	ab16660	SP1	Anti-Estrogen Receptor alpha antibody [SP1]	Human	TSA	Validated by abcam
Estrogen Receptor alpha	ab187260	SP1	Anti-Estrogen Receptor alpha antibody [SP1] - BSA and Azide free	Human	TSA	Validated by abcam
FABP4	ab92501	EPR3579	Anti-FABP4 antibody [EPR3579]	Human, Mouse, Rat	TSA	Validated by abcam
FABP4	ab219595	EPR3579	Anti-FABP4 antibody [EPR3579] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
Factor VIII	ab275376	EPR24039-262	Anti-Factor VIII antibody [EPR24039-262]	Human, Mouse, Rat	TSA	Validated by abcam
Factor VIII	ab275383	EPR24039-262	Anti-Factor VIII antibody [EPR24039-262] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
FAP	ab53066	Rabbit polyclonal	Rabbit polyclonal to Fibroblast activation protein, alpha	Human	IMC™	Xu Xiao et al., bioRxiv 2022 fig1.b
FAS	ab227083	EPR7465	Rabbit monoclonal [EPR7465] to Fatty Acid Synthase - BSA and Azide free	Mouse, Rat, Human	MIBI-TOF	Nat Biotechnol 2021 PMID: 32868913.
Fc epsilon RI/FCER1A	ab171278	AER-37 (CRA1)	Anti-Fc epsilon RI/FCER1A antibody [AER-37 (CRA1)] - Low endotoxin, Azide free	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
Fibroblast activation protein (FAP)	ab207178	EPR20021	Anti-Fibroblast activation protein, alpha antibody [EPR20021]	Human	TSA	1. Cancers (Basel) 2021 PMID: 34944793 fig4.ABCD
Fibronectin	ab268022	EPR23110-46	Recombinant Anti-Fibronectin antibody [EPR23110-46] - BSA and Azide free	Mouse, Rat, Human	IMC™	Abcam product reviews
Fibronectin	ab219366	F1	Recombinant Anti-Fibronectin antibody [F1] - Low endotoxin, Azide free	Human	IMC™	Abcam product reviews
FOXO3A	ab70315	Rabbit polyclonal	Anti-FOXO3A antibody	Mouse, Human	IMC™	Abcam product reviews
FoxP3	ab96048	236A/E7	Anti-FOXP3 antibody [236A/E7] - BSA and Azide free	Human	CODEX®	1.Cell. 2020 PMID:32763154 Fig 3, S1 2. Front Immunol 2021 PMID: 34093591 fig2.A; fig3.C; fig4.A
FOXP3	ab36607	2A11G9	Anti-FOXP3 antibody [2A11G9]	Human, Mouse	CyTOF®	JCI insight, 2019, pii: 125306. DOI: 10.1172/jci.insight.125306
FOXP3	ab20034	236A/E7	Anti-FOXP3 antibody [236A/E7]	Human, Cynomolgus monkey, Rhesus monkey	TSA	1. Leukemia 2019 PMID: 30635636 2. Thyroid 2020 PMID: 32611231 3.Cancer Res Treat 2020 PMID: 32878426 fig 1 4. PLoS One 2021 PMID: 33596250 fig1.I; fig2; fig4.AC; fig5.A 5. Nat Commun 2021 PMID: 34795254 fig 4k
FOXP3	ab22510	mAbcam 22510	Anti-FOXP3 antibody [mAbcam 22510]	Rat, Human	TSA	1. Nat Commun 2020 PMID: 33293583 fig 7j
FOXP3	ab20034	236A/E7	Anti-FOXP3 antibody [236A/E7]	Human	TSA	Validated by abcam

FOXP3	ab96048	236A/E7	Anti-FOXP3 antibody [236A/E7] - BSA and Azide free	Human	TSA	Validated by abcam
FOXP3	ab215206	EPR22102-37	Anti-FOXP3 antibody [EPR22102-37]	Human, Mouse, Rat	TSA	Validated by abcam
FOXP3	ab96048	236A/E7	Anti-FOXP3 antibody [236A/E7] - BSA and Azide free	Cynomolgus monkey, Human, Rhesus monkey	IMC™	The clone is validated by Standard BioTools™
G6PD	ab231828	EPR20668	Rabbit monoclonal [EPR20668] to Glucose 6 Phosphate Dehydrogenase - BSA and Azide free	Mouse, Rat, Human	CyTOF®, MIBI-TOF	Nat Biotechnol 2021 PMID: 32868913
GABA A Receptor alpha 6	ab300069	EPR25322-129	Anti-GABA A Receptor alpha 6 antibody [EPR25322-129]	Human, Mouse, Rat	TSA	Validated by abcam
GABA A Receptor alpha 6	ab300070	EPR25322-129	Anti-GABA A Receptor alpha 6 antibody [EPR25322-129] (BSA and Azide free)	Human, Mouse, Rat	TSA	Validated by abcam
galectin 9/Gal-9	ab153673	1G3	Anti-galectin 9/Gal-9 antibody [1G3]	Human	IMC™	Abcam product reviews
GAPDH	ab9485	Rabbit polyclonal	Rabbit polyclonal to GAPDH	Mouse, Human	CyTOF®	Nat Biotechnol 2021 PMID: 32868913.
Gastric Mucin/MUC-6	ab223846	EPR20623	Anti-Gastric Mucin/MUC-6 antibody [EPR20623]	Human	TSA	Validated by abcam
Gastric Mucin/MUC-6	ab251578	EPR20623	Anti-Gastric Mucin/MUC-6 antibody [EPR20623] - BSA and Azide free	Human	TSA	Validated by abcam
GATA3	ab282130	L50-823	Anti-GATA3 antibody [L50-823] - BSA and Azide free	Mouse, Rat, Human	CODEX®	1.Cell. 2020 PMID:32763154 Fig S1, S3
GBP4	ab232693	Rabbit polyclonal	Anti-GBP4 antibody	Human	IMC™	Abcam product reviews
GFAP	ab220820	EP672Y	Recombinant Anti-GFAP antibody [EP672Y] - BSA and Azide free	Human, Rat	IMC™	The clone is validated by the Single Cell & Imaging Mass Cytometry Analysis Platform, Goodman Cancer Research Centre, McGill University;
GFAP	ab218309	EPR1034Y	Anti-GFAP antibody [EPR1034Y] - BSA and Azide free	Mouse, Rat, Human	TSA	Validated by abcam
GFAP	ab68428	EPR1034Y	Anti-GFAP antibody [EPR1034Y] - N-terminal	Mouse, Rat, Human	TSA	1. J Neurosci Methods 2020 PMID: 32243897 fig 6 2. Validated by abcam
GFP	ab1218	9F9.F9	Anti-GFP antibody [9F9.F9]	Species independent	TSA	1. Front Neuroanat 2021 PMID: 34616280 fig1; fig2; fig3; fig4
GIP	ab209792	EPR20410	Anti-GIP antibody [EPR20410]	Human, Mouse, Rat	TSA	Validated by abcam
GIP	ab271989	EPR20410	Anti-GIP antibody [EPR20410] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
Glucagon	ab10988	K79bB10	Anti-Glucagon antibody [K79bB10]	Rat	CODEX®	Validated by users from CODEX® community
Glucose Transporter GLUT1	ab196357	EPR3915	Rabbit monoclonal [EPR3915] to Glucose Transporter GLUT1 - Low endotoxin, Azide free	Human, Mouse, Rat	IMC™, CyTOF®, MIBI-TOF	1.Cell Metab. 2019 Mar 5;29(3):755-768.e5.PMID: 30713110 2.Nat Biotechnol 2021 PMID: 32868913
Glucose Transporter GLUT2	ab234440	EPR22946-74	Anti-Glucose Transporter GLUT2 antibody [EPR22946-74]	Human	TSA	Validated by abcam
Glucose Transporter GLUT2	ab260003	EPR22946-74	Anti-Glucose Transporter GLUT2 antibody [EPR22946-74] - BSA and Azide free	Human	TSA	Validated by abcam
GLUD1	ab228340	EPR11370	Rabbit monoclonal [EPR11370] to GLUD1 + GLUD2 - BSA and Azide free	Human	MIBI-TOF	Nat Biotechnol 2021 PMID: 32868913
Glycophorin A + B	ab15009	HIR2	Anti-Glycophorin A + B antibody [HIR2]	Human	IMC™	The clone is validated by Standard BioTools™
Granzyme B	ab219803	EPR20129-217	Anti-Granzyme B antibody [EPR20129-217] - BSA and Azide free	Human, Recombinant fragment	CODEX®	1.Cell. 2020 PMID:32763154 Fig 3, S1, S3 2. Front Immunol 2021 PMID: 34093591 3. Nat Commun 2021 PMID: 34795254 fig4.e; figs1.d
Granzyme B	ab53097	Rabbit polyclonal	Anti-Granzyme B antibody	Human, Mouse, Rat	IMC™	Abcam product reviews
Granzyme B	ab103159	CLB-GB11	Anti-Granzyme B antibody [CLB-GB11]	Human, Non human primates	CyTOF®	1.J Clin Invest. 2018 Feb 1;128(2):668-681. PMID: 29309050 2.Gut. 2019 Feb;68(2):335-346. Cell 2022 PMID: 35216673 fig1.H; figs4.A
Granzyme B	ab4059	Rabbit polyclonal	Anti-Granzyme B antibody	Rat, Human	TSA	1.Methods Enzymol 2019 PMID: 32122555 fig.2 2.Mol Ther Oncolytics 2020 PMID: 32478167 fig.S11
Granzyme B	ab208586	EPR20129-217	Anti-Granzyme B antibody [EPR20129-217]	Human	TSA	Validated by abcam
Granzyme B	ab219803	EPR20129-217	Anti-Granzyme B antibody [EPR20129-217] - BSA and Azide free	Human	TSA	Validated by abcam
Granzyme B	ab219803	EPR20129-217	Anti-Granzyme B antibody [EPR20129-217] - BSA and Azide free	Human	IMC™	1.The clone is validated by Standard BioTools™; 2.Cell Metab. 2019 Mar 5;29(3):769-783.e4. PMID: 30713110;
Growth Hormone	ab155276	EPR11047(B)	Anti-Growth Hormone antibody [EPR11047(B)]	Human	TSA	Validated by abcam
Growth Hormone	ab240133	EPR11047(B)	Anti-Growth Hormone antibody [EPR11047(B)] - BSA and Azide free	Human	TSA	Validated by abcam

GSS	ab236062	EPR6563	Rabbit monoclonal [EPR6563] to Glutathione Synthetase - BSA and Azide free	Human	CyTOF®, MIBI-TOF	Nat Biotechnol 2021 PMID: 32868913
HADHA	ab231169	EPR17940	Rabbit monoclonal [EPR17940] to HADHA - BSA and Azide free	Mouse, Rat, Human	CyTOF®, MIBI-TOF	Nat Biotechnol 2021 PMID: 32868913
HBcAg	ab115992	Rabbit polyclonal	Rabbit polyclonal to Hepatitis B Virus Core Antigen	Hepatitis B virus	IMC™	JCI Insight 2021 PMID: 33621209 fig1.B figs3.B
HDAC1	ab213701	EPR460(2)	Recombinant Anti-HDAC1 antibody [EPR460(2)] - BSA and Azide free	Mouse, Rat, Human	IMC™	Abcam product reviews
Hep-Par-1	ab234028	OCH1E5	Anti-Hepatocyte Specific Antigen antibody [OCH1E5] - BSA and Azide free	Human	CODEX®	1.Cell. 2020 PMID:32763154 Fig 2
HER2	ab16901	3B5	Anti-ErbB2 / HER2 antibody [3B5]	Human	CODEX®	Nat Commun 2021 PMID: 34385456 fig 5
HERC6	ab99949	Rabbit polyclonal	Anti-HERC6 antibody	Human	IMC™	Abcam product reviews
Hexokinase 1	ab150423	EPR10134(B)	Anti-Hexokinase 1 antibody [EPR10134(B)] - Mitochondrial Outer Membrane Marker	Human, Mouse, Rat	TSA	Validated by abcam
Hexokinase 1	ab233837	EPR10134(B)	Anti-Hexokinase 1 antibody [EPR10134(B)] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
HIF-1 alpha	ab210073	EP1215Y	Recombinant Anti-HIF-1 alpha antibody [EP1215Y] - BSA and Azide free	Human	IMC™, MIBI-TOF	Nat Biotechnol 2021 PMID: 32868913
Histone H2A.Z	ab150402	EPR6171(2)(B)	Recombinant Anti-Histone H2A.Z antibody [EPR6171(2)(B)] - ChIP Grade	Human, Mouse, Rat	CyTOF®	Cell. 2018 May 31;173(6):1385-1397.e14.
Histone H3 (acetyl K27)	ab232496	EP16602	Anti-Histone H3 (acetyl K27) antibody [EP16602] - BSA and Azide free	Human, Mouse, Rat	CyTOF®, IMC™	Abcam product reviews
Histone H3 (acetyl K64)	ab251549	EPR20713	Recombinant Anti-Histone H3 (acetyl K64) antibody [EPR20713] - BSA and Azide free	Mouse, Rat, Human	CyTOF®	Abcam product reviews
Histone H3 (acetyl K9)	ab203951	Y28	Recombinant Anti-Histone H3 (acetyl K9) antibody [Y28] - BSA and Azide free	Human, Mouse, Rat	CyTOF®, IMC™	Abcam product reviews
Histone H3 (citruilline R2 + R8 + R17)	ab5103	Rabbit polyclonal	Anti-Histone H3 (citruilline R2 + R8 + R17) antibody - ChIP Grade	Cow, Human, Monkey, Mouse, Rabbit, Rat	CyTOF®	Cell. 2018 May 31;173(6):1385-1397.e14. PMID: 29706550
Histone H3 (citruilline R2)	ab176843	EPR17703	Recombinant Anti-Histone H3 (citruilline R2) antibody [EPR17703]	Human, Mouse	CyTOF®	Cell. 2018 May 31;173(6):1385-1397.e14. PMID: 29706550
Histone H3 (mono methyl K36)	ab208581	EPR16993	Recombinant Anti-Histone H3 (mono methyl K36) antibody [EPR16993] - BSA and Azide free	Human, Mouse	CyTOF®, IMC™	Cell. 2018 May 31;173(6):1385-1397.e14. PMID: 29706550
Histone H3.3	ab208690	EPR17899	Recombinant Anti-Histone H3.3 antibody [EPR17899] - BSA and Azide free	Human, Mouse, Rat	CyTOF®, IMC™	Cell. 2018 May 31;173(6):1385-1397.e14. PMID: 29706550
Histone H4	ab31830	mAbcam 31830	Anti-Histone H4 antibody [mAbcam 31830] - ChIP Grade	Cow, Human	CyTOF®	Cell. 2018 May 31;173(6):1385-1397.e14. PMID: 29706550
HK1	ab233837	EPR10134(B)	Rabbit monoclonal [EPR10134(B)] to Hexokinase 1 - BSA and Azide free	Mouse, Rat, Human	CyTOF®, MIBI-TOF	Nat Biotechnol 2021 PMID: 32868913
HK2	ab104836	3D3	Mouse monoclonal [3D3] to Hexokinase II	Human	CyTOF®	Nat Biotechnol 2021 PMID: 32868913
HK2	ab228819	EPR20839	Rabbit monoclonal [EPR20839] to Hexokinase II - BSA and Azide free	Mouse, Rat, Human, Recombinant fragment	CyTOF®, MIBI-TOF	Nat Biotechnol 2021 PMID: 32868913
HLA Class I	ab23755	W6/32	Anti-HLA Class I antibody [W6/32] - Low endotoxin, Azide free	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
HLA Class I	ab23755	W6/32	Mouse monoclonal [W6/32] to HLA Class I - Low endotoxin, Azide free	Cow, Cat, Human	IMC™	The clone is validated by Standard BioTools™
HLA Class II DRB1	ab212444	LN-3	Mouse monoclonal [LN-3] to HLA Class II DRB1 - BSA and Azide free	Human	IMC™	The clone is validated by Standard BioTools™
HLA-A	ab216653	EP1395Y	Anti-HLA A antibody [EP1395Y] - BSA and Azide free	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
HLA-DPB1	ab215973	EPR11226	Anti-HLA-DPB1 antibody [EPR11226] - BSA and Azide free	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
HLA-DR	ab209968	EPR3692	Anti-HLA-DR antibody [EPR3692] - BSA and Azide free	Human, Recombinant fragment	CODEX®	1.Cell. 2020 PMID:32763154 Fig 3, S1, S3 2. Front Immunol 2021 PMID: 34093591 3. Nat Commun 2021 PMID: 34795254 figs1.d
HLA-DR	ab136320	L243	Anti-HLA-DR antibody [L243]	Human	CODEX®	1. Eur J Immunol 2021 PMID: 33548142 Fig 3C
HLA-DR	ab215985	EPR3692	Recombinant Anti-HLA-DR antibody [EPR3692] - Low endotoxin, Azide free	Human	IMC™	The clone is validated by the Single Cell & Imaging Mass Cytometry Analysis Platform, Goodman Cancer Research Centre, McGill University;
HLA-DR	ab176408	TAL 1B5	Mouse monoclonal [TAL 1B5] to HLA-DR - BSA and Azide free	Human	CyTOF®, IMC™	1.Cell Metab. 2019 Mar 5;29(3):769-783.e4.; PMID: 30713110 2.JCI Insight 2021 PMID: 33621209 fig4.A; 3. Natasja L. de Vries et al., bioRxiv 2021 DOI:10.1101/2021.10.14.464229
HLA-DR	ab20181	TAL 1B5	Anti-HLA-DR antibody [TAL 1B5]	Human	TSA	Leukemia 2018 PMID: 29925907

HLA-DR	ab92511	EPR3692	Anti-HLA-DR antibody [EPR3692]	Human, Rat	TSA	Validated by abcam
HS2D	ab169172	Mouse polyclonal	Anti-HSH2D antibody	Human	IMC™	Although the antibody is validated by IMC™ user community displayed via Abcam product reviews, but is not guaranteed by abcam for IHC-P application
Iba1	ab221790	EPR16589	Anti-Iba1 antibody [EPR16589] - BSA and Azide free	Mouse, Rat, Human	CODEX®	Validated by users from CODEX® community
ICOS	ab236226	SP98	Anti-ICOS antibody [SP98] - BSA and Azide free	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
IDH1	ab242078	EPR21002	Rabbit monoclonal [EPR21002] to IDH1 - BSA and Azide free	Mouse, Rat, Human	MIBI-TOF	Nat Biotechnol 2021 PMID: 32868913
IDH2	ab230796	EPR7577	Rabbit monoclonal [EPR7577] to IDH2 - BSA and Azide free	Mouse, Rat, Human	CyTOF®, MIBI-TOF	Nat Biotechnol 2021 PMID: 32868913
IDO	ab271990	EPR20374	Rabbit monoclonal [EPR20374] to Indoleamine 2, 3-dioxygenase - BSA and Azide free	Human	IMC™	Xu Xiao et al., bioRxiv 2022 fig1.b
IDO	ab245737	SP260	Rabbit monoclonal [SP260] to Indoleamine 2, 3-dioxygenase - BSA and Azide free	Human	MIBI-TOF, IMC™	Nat Biotechnol 2021 PMID: 32868913
IDO-1	ab245737	SP260	Anti-Indoleamine 2, 3-dioxygenase antibody [SP260] - BSA and Azide free	Human	TSA	1.Nat Commun 2020 PMID: 33293583 fig 6g
IFI6	ab192314	Rabbit polyclonal	Anti-IFI6 antibody	Human	IMC™	Although the antibody is validated by IMC™ user community displayed via Abcam product reviews, but is not guaranteed by abcam for IHC-P application
IFIT1	ab236256	Rabbit polyclonal	Anti-IFIT1 antibody	Mouse, Rat, Human	IMC™	Abcam product reviews
IFIT3/P60	ab191689	Rabbit polyclonal	Anti-IFIT3/P60 antibody - C-terminal	Human	IMC™	Abcam product reviews
IgA	ab214003	EPR5367-76	Recombinant Anti-IgA antibody [EPR5367-76] - BSA and Azide free	Human	CyTOF®	Although the antibody is validated by CyTOF® user community displayed via Abcam product reviews, but is not guaranteed by abcam for Flow Cyt/CyTOF® application
IgD	ab269972	IA6-2	Anti-IGHD antibody [IA6-2] - BSA and Azide free	Human, Recombinant fragment	CODEX®	Validated in CODEX® by Akoya Biosciences
IGF2BP1/IMP1	ab290736	EPR26408-18	Anti-IGF2BP1/IMP1 antibody [EPR26408-18]	Human, Mouse, Rat	TSA	Validated by abcam
IGF2BP1/IMP1	ab290751	EPR26408-18	Anti-IGF2BP1/IMP1 antibody [EPR26408-18] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
IgG	ab109489	EPR4421	Anti-Human IgG antibody [EPR4421]	Human	TSA	1. Cell 2020 PMID: 32877699 fig S3
iNOS	ab239990	SP126	Rabbit monoclonal [SP126] to iNOS - BSA and Azide free	Mouse, Human	CyTOF®, IMC™	Br J Cancer 2021 PMID: 33795809
iNOS	ab213987	EPR16635	Rabbit monoclonal [EPR16635] to iNOS - BSA and Azide free	Mouse, Rat, Human	MIBI-TOF	Nat Biotechnol 2021 PMID: 32868913
Insulin	ab181547	EPR17359	Anti-Insulin antibody [EPR17359]	Human, Mouse, Rat	TSA	Validated by abcam
Insulin	ab202760	EPR17359	Anti-Insulin antibody [EPR17359] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
Integrin alpha 6	ab105669	GoH3	Anti-Integrin alpha 6 antibody [GoH3]	Human	CODEX®	1. Eur J Immunol 2021 PMID: 33548142 Fig 3C
IRF1	ab230652	Rabbit polyclonal	Anti-IRF1 antibody	Mouse, Rat, Human	IMC™	Abcam product reviews
IRF3	ab201809	EPR2418Y	Recombinant Anti-IRF3 antibody [EPR2418Y] - BSA and Azide free	Mouse, Human	IMC™	Abcam product reviews
ISG15	ab131119	Rabbit polyclonal	Anti-ISG15 antibody	Human	IMC™	Abcam product reviews
JAK1	ab47435	Rabbit polyclonal	Anti-JAK1 antibody	Human	IMC™	Abcam product reviews
JAK1 (phospho Y1022 + Y1023)	ab203784	EPR1899(2)	Recombinant Anti-JAK1 (phospho Y1022 + Y1023) antibody [EPR1899(2)] - BSA and Azide free	Human	IMC™	Abcam product reviews
Ki67	ab15580	Rabbit polyclonal	Anti-Ki67 antibody	Human, Indian muntjac	IMC™	Abcam product reviews
Ki67	ab279657	B56	Mouse monoclonal [B56] to Ki67 - BSA and Azide free	Mouse, Rat, Human	IMC™	The clone is validated by Standard BioTools™
Ki67	ab16667	SP6	Anti-Ki67 antibody [SP6]	Human, Mouse, Rat	TSA	Validated by abcam
Ki67	ab197547	SP6	Anti-Ki67 antibody [SP6] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
Ki67	ab231172	SP6	Anti-Ki67 antibody [SP6]	Mouse, Rat, Human, Common marmoset	TSA	1. Validated by abcam; 2.Mol Ther Oncolytics 2020 PMID: 32478167 fig.6
Ki67	ab238624	SP6	Anti-Ki67 antibody [SP6]	Human, Mouse, Rat	TSA	Validated by abcam
Ki67	ab279558	SP6	Anti-Ki67 antibody [SP6]	Human, Mouse, Rat	TSA	Validated by abcam
Ki-67	ab279657	B56	Anti-Ki67 antibody [B56] - BSA and Azide free	Mouse, Rat, Human	CODEX®	1.Cell. 2020 PMID:32763154 Fig 2, 3, S1, S3

KLF4	ab106629	Rabbit polyclonal	Anti-KLF4 antibody	Human	CyTOF®	Although the antibody is validated by the user community in CyTOF® application tested for mouse tissue, but is not guaranteed by Abcam for testing the antibody in mouse species and for CyTOF®/Flow Cyt application
LAG3	ab180187	EPR4392(2)	Anti-LAG-3 antibody [EPR4392(2)] - C-terminal	Human	TSA	1. Leukemia 2018 PMID: 29925907 2. Leukemia 2019 PMID: 30635636
LAG-3	ab227579	EPR20261	Anti-LAG-3 antibody [EPR20261] - BSA and Azide free	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
LAG-3	ab209740	EPR4392(2)	Anti-LAG-3 antibody [EPR4392(2)] - BSA and Azide free	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
LAG-3	ab40466	17B4	Anti-LAG-3 antibody [17B4]	Human, Rhesus monkey	CyTOF®	Gut. 2019 Feb;68(2):335-346. PMID: 29440463
LAL	ab36597	9G7F12	Mouse monoclonal [9G7F12] to Lysosomal acid lipase/LAL	Human, Recombinant fragment	MIBI-TOF	Nat Biotechnol 2021 PMID: 32868913
Lamin A + Lamin C	ab244577	4C11	Mouse monoclonal [4C11] to Lamin A + Lamin C - BSA and Azide free	Mouse, Human	IMC™	Validated by IMC™ user community
Lamin B1	ab239399	EPR22165-121	Rabbit monoclonal [EPR22165-121] to Lamin B1 - BSA and Azide free	Mouse, Rat, Human	IMC™	Validated by IMC™ user community
Lamin B1	ab229025	EPR22165-121	Anti-Lamin B1 antibody [EPR22165-121]	Mouse, Rat, Human	TSA	Validated by abcam
Lamin B1	ab239399	EPR22165-121	Anti-Lamin B1 antibody [EPR22165-121] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
Lamin B1	ab220797	EPR8985(B)	Anti-Lamin B1 antibody [EPR8985(B)] - BSA and Azide free	Mouse, Rat, Human	CODEX®	Validated in CODEX® by Akoya Biosciences
Laminin gamma 1	ab234963	EPR21199	Recombinant Anti-Laminin gamma 1 antibody [EPR21199] - BSA and Azide free	Mouse, Rat, Human	IMC™	Abcam product reviews
LAMP1	ab25630	H4A3	Anti-LAMP1 antibody [H4A3]	Human, Monkey, Rat	IMC™	The clone is validated by Standard BioTools™
LAMP3	ab111090	Rabbit polyclonal	Anti-CD208 antibody	Human	TSA	1. Nat Commun 2020 PMID: 33293583 fig 6g
LDHA	ab219591	EP1566Y	Rabbit monoclonal [EP1566Y] to Lactate Dehydrogenase - BSA and Azide free	Mouse, Rat, Human	CyTOF®, MIBI-TOF	Nat Biotechnol 2021 PMID: 32868913
liver FABP	ab222517	EPR20464	Anti-liver FABP antibody [EPR20464]	Human, Mouse, Rat	TSA	Validated by abcam
liver FABP	ab240401	EPR20464	Anti-liver FABP antibody [EPR20464] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
Lox-1	ab234962	EPR20750	Anti-LOX 1 antibody [EPR20750] - BSA and Azide free	Mouse, Rat, Human	CODEX®	Validated by users from CODEX® community
Luteinizing Hormone beta	ab174265	EPR8195	Anti-Luteinizing Hormone beta antibody [EPR8195]	Human	TSA	Validated by abcam
Luteinizing Hormone beta	ab221494	EPR8195	Anti-Luteinizing Hormone beta antibody [EPR8195] - BSA and Azide free	Human	TSA	Validated by abcam
Ly6c	ab24973	HK1.4	Anti-Ly6c antibody [HK1.4]	Mouse	CODEX®	1. Cell 2018 PMID: 30078711 Fig 3
Ly6g	ab210204	1A8	Anti-Ly6g antibody [1A8] - Low endotoxin, Azide free	Mouse	CODEX®	1. Cell 2018 PMID: 30078711 Fig 3 2. JCI Insight 2021 PMID: 34003797 Fig 10
Lysozyme	ab227708	SP350	Anti-Lysozyme antibody [SP350] - C-terminal	Human	TSA	Validated by abcam
Lysozyme	ab242430	SP350	Anti-Lysozyme antibody [SP350] - BSA and Azide free	Human	TSA	Validated by abcam
Mannose Receptor	ab64693	Rabbit polyclonal	Anti-Mannose Receptor antibody	Mouse, Rat, Human	IMC™	Abcam product reviews
MAP2	ab236033	EPR19691	Anti-MAP2 antibody [EPR19691] - BSA and Azide free	Mouse, Rat, Human	CODEX®	Validated in CODEX® by Akoya Biosciences
MAP2	ab118898	MT-08	Anti-MAP2 antibody [MT-08]	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
MAP2	ab254263	EPR22641-106	Anti-MAP2 antibody [EPR22641-106]	Human	TSA	Validated by abcam
MAP2	ab256511	EPR22641-106	Anti-MAP2 antibody [EPR22641-106] - BSA and Azide free	Human	TSA	Validated by abcam
MAP3K1 (phospho T1400)	ab138662	Rabbit polyclonal	Anti-MAP3K1 (phospho T1400) antibody	Human, Mouse	CyTOF®, IMC™	Although the antibody is validated by CyTOF®, IMC™ user community, but is not guaranteed by abcam for Flow Cyt/IHC-P application
MARCKS like protein	ab250750	EPR15353	Anti-MARCKS like protein antibody [EPR15353] - BSA and Azide free	Human	CODEX®	STAR Protoc 2021 PMID: 34430920
MASP2	ab277520	EPR23588-44	Anti-MASP2 antibody [EPR23588-44]	Human, Mouse, Rat	TSA	Validated by abcam
MASP2	ab277528	EPR23588-44	Anti-MASP2 antibody [EPR23588-44] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
Mast Cell Tryptase	ab2378	AA1	Anti-Mast Cell Tryptase antibody [AA1]	Human	CODEX®	1. Front Immunol 2021 PMID: 34093591 Fig S4, 3C 2. Nat Commun 2021 PMID: 34795254 figs1.d
Mast Cell Tryptase	ab271916	EPR9522	Anti-Mast Cell Tryptase antibody [EPR9522] - BSA and Azide free	Human	CODEX®	1. STAR Protoc 2021 PMID: 34430920
Mast Cell Tryptase	ab227573	EPR8475	Rabbit monoclonal [EPR8475] to Mast Cell Tryptase - BSA and Azide free	Human	IMC™	Validated by IMC™ user community

MDA5	ab79055	Rabbit polyclonal	Anti-MDA5 antibody	Mouse, Human	IMC™	Abcam product reviews
Melan-A	ab212366	A103 + M2-7C10 + M2-9E3	Anti-MelanA antibody [A103 + M2-7C10 + M2-9E3] - BSA and Azide free	Human	CODEX®	1.Cell. 2020 PMID:32763154 Fig 2
MFN	ab251421	EPR19792	Rabbit monoclonal [EPR19792] to Mitofusin 2 + Mitofusin 1 - BSA and Azide free	Human, Recombinant fragment	CyTOF®	Nat Biotechnol 2021 PMID: 32868913
MFN2	ab56889	6A8	Mouse monoclonal [6A8] to Mitofusin 2	Mouse, Human	CyTOF®, MIBI-TOF	Nat Biotechnol 2021 PMID: 32868913
MMP12	ab137444	Rabbit polyclonal	Anti-MMP12 antibody	Human	CODEX®	1.Cell. 2020 PMID:32763154 Fig 3, S1
MMP8	ab81286	EP1252Y	Anti-MMP8 antibody [EP1252Y]	Mouse, Rat, Human	TSA	1. J Biomed Mater Res B Appl Biomater 2020 PMID: 32475069 fig 10
mono methyl Arginine	ab415	5D1	Anti-mono methyl Arginine antibody [5D1]	Species independent	CyTOF®	Cell. 2018 May 31;173(6):1385-1397.e14. PMID: 29706550
Mouse IgG	ab6708	Goat polyclonal	Goat Anti-Mouse IgG HL	Mouse	IMC™	Validated by IMC™ user community
MTCO1	ab213648	EPR19628	Rabbit monoclonal [EPR19628] to MTCO1 - BSA and Azide free	Mouse, Rat, Human	CyTOF®, MIBI-TOF	Nat Biotechnol 2021 PMID: 32868913
MUC1	ab212621	MUC1/955	Anti-MUC1 antibody [MUC1/955] - BSA and Azide free	Human	CODEX®	1.Cell. 2020 PMID:32763154 Fig 2, 3, S1, S3
MUC1	ab230294	SM3	Mouse monoclonal [SM3] to MUC1 - BSA and Azide free	Human	IMC™	The clone is validated by Standard BioTools™
MUC2	ab272692	EPR23479-47	Anti-MUC2 antibody [EPR23479-47]	Human, Mouse, Rat	TSA	Validated by abcam
MUC2	ab272706	EPR23479-47	Anti-MUC2 antibody [EPR23479-47] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
Mucin 5AC	ab3649	45M1	Anti-Mucin 5AC antibody [45M1]	Human, Mouse, Rat	TSA	Validated by abcam
Mucin 5AC	ab212636	45M1	Anti-Mucin 5AC antibody [45M1] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
Myc tag	ab32	9E10	Anti-Myc tag antibody [9E10]	Recombinant fragment	CyTOF®	Abcam product reviews
Myc tag	ab264603	9E10	Anti-Myc tag antibody [9E10] - BSA and Azide free	Recombinant fragment	IMC™	The clone is validated by Standard BioTools™
MyD88	ab199247	EPR590(N)	Anti-MyD88 antibody [EPR590(N)] - BSA and Azide free	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
Myelin PLP	ab254363	EPR23504-106	Anti-Myelin PLP antibody [EPR23504-106]	Human, Mouse, Rat	TSA	Validated by abcam
Myelin PLP	ab275751	EPR23504-106	Anti-Myelin PLP antibody [EPR23504-106] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
N Cadherin	ab271856	EPR1791-4	Recombinant Anti-N Cadherin antibody [EPR1791-4] - BSA and Azide free	Human	IMC™	Although the antibody is validated by IMC™ user community tested for mouse tissue, but is not guaranteed by abcam for testing the antibody in mouse species
Na-K-ATPase	ab167390	EP1845Y	Anti-Sodium Potassium ATPase antibody [EP1845Y] - BSA and Azide free	Mouse, Rat, Human	CODEX®	1.Cell. 2020 PMID:32763154 Fig S1, S3
Nestin	ab22035	10C2	Anti-Nestin antibody [10C2] - Neural Stem Cell Marker	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
Nestin	ab237036	EPR22023	Anti-Nestin antibody [EPR22023] - BSA and Azide free	Mouse, Rat	CODEX®	1. STAR Protoc 2021 PMID: 34430920
NeuN	ab177487	EPR12763	Anti-NeuN antibody [EPR12763] - Neuronal Marker	Cat, Common marmoset, Dog, Human, Mouse, Rat, Sheep, Zebrafish	TSA	Validated by abcam
NeuN	ab209898	EPR12763	Anti-NeuN antibody [EPR12763] - BSA and Azide free	Cat, Common marmoset, Dog, Human, Mouse, Rat, Sheep, Zebrafish	TSA	Validated by abcam
Neuropeptide Y	ab221145	EPR21877	Anti-Neuropeptide Y antibody [EPR21877]	Human, Mouse, Rat	TSA	Validated by abcam
Neuropeptide Y	ab234527	EPR21877	Anti-Neuropeptide Y antibody [EPR21877] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
Neutrophil Elastase	ab131260	EPR7479	Recombinant Anti-Neutrophil Elastase antibody [EPR7479]	Human	CyTOF®	Cell. 2018 May 31;173(6):1385-1397.e14. PMID: 29706550
NF-kB p65	ab207297	E379	Recombinant Anti-NF-kB p65 antibody [E379] - BSA and Azide free	Human, Mouse	CyTOF®	JCI insight, 2019, pii: 125306. DOI: 10.1172/jci.insight.125306
NGFR/CD271	ab256584	EP1039Y	Anti-p75 NGF Receptor antibody [EP1039Y] - BSA and Azide free	Rat, Human	CODEX®	Validated in CODEX® by Akoya Biosciences
NKG2A	ab260035	EPR23737-127	Anti-NKG2A antibody [EPR23737-127]	Human	TSA	Validated by abcam
NKG2A	ab273516	EPR23737-127	Anti-NKG2A antibody [EPR23737-127] - BSA and Azide free	Human	TSA	Validated by abcam
NKG2D	ab302907	EPR24072-342	Anti-NKG2D antibody [EPR24072-342]	Human	TSA	Validated by abcam

NKG2D	ab302908	EPR24072-342	Anti-NKG2D antibody [EPR24072-342] - BSA and Azide free	Human	TSA	Validated by abcam
Nkx2.2	ab212686	NX2/294	Anti-Nkx2.2 antibody [NX2/294] - BSA and Azide free	Rat, Human	CyTOF®	Although the antibody is validated by the customer in CyTOF application tested for mouse tissue, but is not guaranteed by abcam for testing the antibody in mouse species and for CyTOF/Flow Cyt application
Nkx3.1	ab196020	EPR16653	Anti-Nkx3.1 antibody [EPR16653]	Human	TSA	Validated by abcam
Nkx3.1	ab251217	EPR16653	Anti-Nkx3.1 antibody [EPR16653] - BSA and Azide free	Human	TSA	Validated by abcam
NRF1	ab221792	EPR5554(N)	Rabbit monoclonal [EPR5554(N)] to NRF1 - ChIP Grade - BSA and Azide free	Mouse, Rat, Human	CyTOF®	Nat Biotechnol 2021 PMID: 32868913
NRF2	ab180845	EP1808Y	Rabbit monoclonal [EP1808Y] to Nrf2 - BSA and Azide free	Human	MIBI-TOF	Nat Biotechnol 2021 PMID: 32868913
Nrf2 (phospho S40)	ab180844	EP1809Y	Rabbit monoclonal [EP1809Y] to Nrf2 (phospho S40) - BSA and Azide free	Human	CyTOF®, MIBI-TOF	Nat Biotechnol 2021 PMID: 32868913
NSE	ab220216	EPR3377	Anti-NSE antibody [EPR3377] - BSA and Azide free	Mouse, Rat, Human	CODEX®	Validated by users from CODEX® community
OASL	ab38325	Rabbit polyclonal	Anti-OASL antibody - Carboxyterminal end	Human	IMC™	Abcam product reviews
Olig2	ab109186	EPR2673	Anti-Olig2 antibody [EPR2673]	Mouse, Rat, Human	TSA	Validated by abcam
Olig2	ab220796	EPR2673	Recombinant Anti-Olig2 antibody [EPR2673] - BSA and Azide free	Human, Mouse, Rat	IMC™	The clone is validated by the Single Cell & Imaging Mass Cytometry Analysis Platform, Goodman Cancer Research Centre, McGill University;
OPA1	ab240143	EPR11057(B)	Rabbit monoclonal [EPR11057(B)] to OPA1 - BSA and Azide free	Mouse, Human	CyTOF®, MIBI-TOF	Nat Biotechnol 2021 PMID: 32868913
Osteopontin	ab229854	EPR21138	Recombinant Anti-Osteopontin antibody [EPR21138] - BSA and Azide free	Mouse	IMC™	Abcam product reviews
OX40L/TNFSF4	ab89896	MM0505-8S23	Anti-OX40L/TNFSF4 antibody [MM0505-8S23]	Cynomolgus monkey, Human	CyTOF®	JCI insight, 2019, pii: 125306. DOI: 10.1172/jci.insight.125306
P2Y12	ab274386	EPR23511-72	Anti-P2Y12 antibody [EPR23511-72] - BSA and Azide free	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
P2Y12	ab254347	EPR23511-72	Anti-P2Y12 antibody [EPR23511-72]	Human	TSA	Validated by abcam
P2Y12	ab274386	EPR23511-72	Anti-P2Y12 antibody [EPR23511-72] - BSA and Azide free	Human	TSA	Validated by abcam
p53	ab28	PAb 1801	Anti-p53 antibody [PAb 1801]	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
p53	ab240215	EPR17343	Anti-p53 antibody [EPR17343] - BSA and Azide free	Human	CyTOF®	Cell. 2019 May 16;177(5):1330-1345.e18. PMID: 30982598;
p63	ab124762	EPR5701	Anti-p63 antibody [EPR5701]	Human, Mouse, Rat	TSA	Validated by abcam
p63	ab214790	EPR5701	Anti-p63 antibody [EPR5701] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
PAK1+PAK2+PAK3 (phospho S141 + S144 + S154)	ab239830	EP656Y	Recombinant Anti-PAK1+PAK2+PAK3 (phospho S141 + S144 + S154) antibody [EP656Y] - BSA and Azide free	Human, Mouse, Rat	CyTOF®	Validated by CyTOF® user community
pan Cytokeratin	ab264485	C-11	Anti-pan Cytokeratin antibody [C-11] - BSA and Azide free	Mouse, Rat, Human	CODEX®	1.Cell. 2020 PMID:32763154 Fig 2, 3, S1, S3
pan Cytokeratin	ab80826	AE1/AE3	Anti-pan Cytokeratin antibody [AE1/AE3] - BSA and Azide free	Human	CODEX®	1. Eur J Immunol 2021 PMID: 33548142 Fig 3C
pan Cytokeratin	ab80826	AE1/AE3	Anti-pan Cytokeratin antibody [AE1/AE3] - BSA and Azide free	Chicken, Cow, Human, Monkey, Mouse, Rabbit, Rat	IMC™	1. The clone is validated by the Single Cell & Imaging Mass Cytometry Analysis Platform, Goodman Cancer Research Centre, McGill University; 2.J Pathol. 2018 Apr;244(4):479-484.
pan Cytokeratin	ab264485	C-11	Anti-pan Cytokeratin antibody [C-11] - BSA and Azide free	Human, Mouse, Rat	IMC™	The clone is validated by Standard BioTools™
Pancreatic Polypeptide	ab77192	Goat polyclonal	Anti-Pancreatic Polypeptide antibody	Human, Mouse	CyTOF®, IMC™	Cell Metab. 2019 Mar 5;29(3):769-783.e4.
Pancreatic polypeptide	ab255827	EPR22853-61	Anti-Pancreatic Polypeptide antibody [EPR22853-61]	Mouse, Rat	TSA	Validated by abcam
Pancreatic Polypeptide	ab256592	EPR22853-61	Anti-Pancreatic Polypeptide antibody [EPR22853-61] - BSA and Azide free	Mouse, Rat	TSA	Validated by abcam
Pan-Cytokeratin	ab264485	C-11	Anti-pan Cytokeratin antibody [C-11] - BSA and Azide free	Mouse, Rat, Human	TSA	Validated by abcam
Pan-Cytokeratin	ab7753	C-11	Anti-pan Cytokeratin antibody [C-11]	Mouse, Rat, Human	TSA	1. Validated by abcam; 2. J Histochem Cytochem 2021 PMID: 33797290 fig3.AB; 3. Clin Transl Med 2020 PMID: 33377644 fig.5
Parathyroid Hormone	ab130759	SP151	Anti-Parathyroid Hormone antibody [SP151]	Human	TSA	Validated by abcam
Parathyroid Hormone	ab236229	SP151	Anti-Parathyroid Hormone antibody [SP151] - BSA and Azide free	Human	TSA	Validated by abcam
PARP1	ab222234	EPR18461	Anti-PARP1 antibody [EPR18461] - BSA and Azide free	Mouse, Rat, Human	CODEX®	STAR Protoc 2021 PMID: 34430920
PAX5	ab193556	EPR3730(2)	Rabbit monoclonal [EPR3730(2)] to PAX5 - BSA and Azide free	Mouse, Rat, Human	IMC™	Validated by IMC™ user community

PAX8	ab227707	SP348	Anti-PAX8 antibody [SP348] - N-terminal	Human	TSA	Validated by abcam
PAX8	ab242429	SP348	Anti-PAX8 antibody [SP348] - BSA and Azide free	Human	TSA	Validated by abcam
PBR	ab213654	EPR5384	Anti-PBR antibody [EPR5384] - BSA and Azide free	Mouse, Human	CODEX®	Validated in CODEX® by Akoya Biosciences
PCNA	ab264494	PC10	Anti-PCNA antibody [PC10] - BSA and Azide free	Rat, Human	CODEX®	Validated in CODEX® by Akoya Biosciences
PCSK2	ab274418	EPR23578-19	Anti-PCSK2 antibody [EPR23578-19]	Human	TSA	Validated by abcam
PCSK2	ab274427	EPR23578-19	Anti-PCSK2 antibody [EPR23578-19] - BSA and Azide free	Human	TSA	Validated by abcam
PD1	ab234159	EH12.2H7	Anti-PD1 antibody [EH12.2H7] - Low endotoxin, Azide free	Human, Non human primates	CODEX®	1. Eur J Immunol 2021 PMID: 33548142 Fig 3C
PD1	ab201811	NAT105	Anti-PD1 antibody [NAT105] - BSA and Azide free	Human	CODEX®	1. Nat Commun 2021 PMID: 34385456 fig5
PD1	ab186928	EPR4877(2)	Anti-PD1 antibody [EPR4877(2)] - BSA and Azide free	Human	IMC™	The clone is validated by Standard BioTools™
PD1	ab234159	EH12.2H7	Mouse monoclonal [EH12.2H7] to PD1 - Low endotoxin, Azide free	Human, Non human primates	IMC™	The clone is validated by Standard BioTools™, but is not guaranteed by abcam for IHC-Fr and IHC-P application
PD1	ab243644	EPR23119-111	Anti-PD1 antibody [EPR23119-111]	Human	TSA	Validated by abcam
PD1	ab270753	EPR23119-111	Anti-PD1 antibody [EPR23119-111] - BSA and Azide free	Human	TSA	Validated by abcam
PD1	ab289880	CAL20	Anti-PD1 antibody [CAL20]	Human	TSA	Validated by abcam
PD1	ab290963	CAL20	Anti-PD1 antibody [CAL20]	Human	TSA	Validated by abcam
PD1	ab300009	CAL20	Anti-PD1 antibody [CAL20]	Human	TSA	Validated by abcam
PD1	ab309363	RM1033	Anti-PD1 antibody [RM1033]	Human, Mouse	TSA	Validated by abcam
PD1	ab309364	RM1033	Anti-PD1 antibody [RM1033] - BSA and Azide free	Human, Mouse	TSA	Validated by abcam
PD-1	ab137132	EPR4877(2)	Anti-PD1 antibody [EPR4877(2)]	Human	TSA	1. Thyroid 2020 PMID: 32611231 2. Nat Commun 2021 PMID: 34795254 fig 4k
PD-1	ab237728	CAL20	Anti-PD1 antibody [CAL20]	Human	TSA	1. Validated by abcam; 2. Exp Hematol Oncol. 2020 PMID: 32775040 fig 4a
PD-1	ab251613	CAL20	Anti-PD1 antibody [CAL20] - BSA and Azide free	Human	TSA	Validated by abcam
PDGFR alpha	ab96569	16A1	Anti-PDGFR alpha antibody [16A1]	Human	CyTOF®	Abcam product reviews
PDGFR beta	ab215978	Y92	Anti-PDGFR alpha + PDGFR beta antibody [Y92] - Low endotoxin, Azide free	Mouse, Rat, Human	CODEX®	Nat Commun 2021 PMID: 34385456 fig 5
PDGFR beta	ab215978	Y92	Recombinant Anti-PDGFR beta antibody [Y92] - Low endotoxin, Azide free	Human, Mouse, Rat	IMC™	Xu Xiao et al., bioRxiv 2022 fig1.b doi:10.1101/2022.01.15.476480
PDGFRβ	ab32570	Y92	Anti-PDGFR alpha + PDGFR beta antibody [Y92] - C-terminal	Mouse, Rat, Human	TSA	1. J Neuroendocrinol 2020 PMID: 32959418 fig1.B; fig3.C; fig5
PDH	ab110334	8D10E6	Mouse monoclonal [8D10E6] to PDHA1	Mouse, Rat, Cow, Human, Drosophila melanogaster	MIBI-TOF	Nat Biotechnol 2021 PMID: 32868913
PKD1	ab110335	2H3AA11	Mouse monoclonal [2H3AA11] to PKD1	Human	CyTOF®, MIBI-TOF	Nat Biotechnol 2021 PMID: 32868913
PD-L1	ab251611	CAL10	Anti-PD-L1 antibody [CAL10] - BSA and Azide free	Human	CODEX®	Validated by users from CODEX® community
PD-L1	ab226766	73-10	Anti-PD-L1 antibody [73-10] - BSA and Azide free	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
PD-L1	ab259283	29E.2A3	Anti-PD-L1 antibody [29E.2A3]	Human	CODEX®	1. Eur J Immunol 2021 PMID: 33548142 Fig 3C
PD-L1	ab209889	28-8	Anti-PD-L1 antibody [28-8] - Low endotoxin, Azide free	Human, Recombinant fragment	CODEX®	1. Nat Commun 2021 PMID: 34385456 fig 5
PD-L1	ab226766	73-10	Recombinant Anti-PD-L1 antibody [73-10] - BSA and Azide free	Human	IMC™	Abcam product reviews
PD-L1	ab237726	CAL10	Anti-PD-L1 antibody [CAL10]	Human	TSA	1. Cell 2018 PMID: 30318143 2. Validated by abcam
PD-L1	ab228462	SP142	Anti-PD-L1 antibody [SP142] - C-terminal	Human	TSA	Validated by abcam
PD-L1	ab236238	SP142	Anti-PD-L1 antibody [SP142] - BSA and Azide free	Human, Recombinant fragment	TSA	Validated by abcam
PD-L1	ab251611	CAL10	Anti-PD-L1 antibody [CAL10] - BSA and Azide free	Human, Recombinant fragment	TSA	Validated by abcam
PD-L2	ab234189	24F.10C12	Anti-PD-L2 antibody [24F.10C12]	Human	CODEX®	1. Eur J Immunol 2021 PMID: 33548142 Fig 3C
Perforin	ab47225	B-D48	Anti-Perforin antibody [B-D48]	Human	CyTOF®	J Clin Invest. 2018 Feb 1;128(2):668-681. PMID: 29309050
PKC beta 2	ab38279	Rabbit polyclonal	Anti-PKC beta 2 antibody	Mouse, Rat, Human, Monkey	IMC™	Abcam product reviews
PKC delta	ab182126	EPR17075	Recombinant Anti-PKC delta antibody [EPR17075]	Mouse, Rat, Human	IMC™	Abcam product reviews
PKM2	ab206129	EPR10138(B)	Rabbit monoclonal [EPR10138(B)] to PKM - BSA and Azide free	Mouse, Rat, Human	CyTOF®	Nat Biotechnol 2021 PMID: 32868913
PKR	ab226819	Rabbit polyclonal	Anti-PKR antibody	Human	IMC™	Abcam product reviews

PLCG 2 (phospho Y753)	ab248504	EPR5914-3	Anti-PLCG 2 (phospho Y753) antibody [EPR5914-3] - BSA and Azide free	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
Podoplanin / gp36	ab92319	8.1.1	Anti-Podoplanin / gp36 antibody [8.1.1]	Mouse	CODEX®	Validated in CODEX® by Akoya Biosciences
Podoplanin / gp36	ab236529	EPR22182	Anti-Podoplanin / gp36 antibody [EPR22182]	Human	TSA	Validated by abcam
Podoplanin / gp36	ab237033	EPR22182	Anti-Podoplanin / gp36 antibody [EPR22182] - BSA and Azide free	Human	TSA	Validated by abcam
PRDM1	ab198287	EPR16655	Anti-PRDM1/Blimp1 antibody [EPR16655]	Human	TSA	1. J Exp Med 2020 PMID: 32603407 fig6.D
Progesterone Receptor	Not catalog	EP2	Anti-Progesterone Receptor antibody	N/A	IMC™	Nat Methods. 2014 Apr;11(4):417-22. EP clone
Progesterone Receptor	ab239793	SP2	Anti-Progesterone Receptor antibody [SP2] - BSA and Azide free	Human, Rat	IMC™	Publication (PubMed ID: 31959985)
Progesterone Receptor	ab206926	YR85	Anti-Progesterone Receptor antibody [YR85] - BSA and Azide free	Human	IMC™	Publication (PubMed ID: 30982598, 31959985)
Progesterone Receptor	ab16661	SP2	Anti-Progesterone Receptor antibody [SP2]	Human	TSA	Validated by abcam
Progesterone Receptor	ab239793	SP2	Anti-Progesterone Receptor antibody [SP2] - BSA and Azide free	Human	TSA	Validated by abcam
Proinsulin	ab8301	3A1	Anti-Proinsulin antibody [3A1]	Human	IMC™	Cell Metab. 2019 Mar 5;29(3):755-768.e5.
Prostate Specific Antigen	ab76113	EP1588Y	Anti-Prostate Specific Antigen antibody [EP1588Y]	Human	TSA	Validated by abcam
Prostate Specific Antigen	ab271858	EP1588Y	Anti-Prostate Specific Antigen antibody [EP1588Y] - BSA and Azide free	Human	TSA	Validated by abcam
Prosurfactant Protein C	ab222929	EPR19839	Recombinant Anti-Prosurfactant Protein C antibody [EPR19839] - Low endotoxin, Azide free	Mouse	IMC™	Abcam product reviews
Protein Tax-1	ab26997	1A3	Anti-Protein Tax-1 antibody [1A3]	Other species	IMC™	Abcam product reviews
RAB12 (phospho S106)	ab256765	MJF-R25-9	Anti-RAB12 (phospho S106) antibody [MJF-R25-9] - BSA and Azide free	Mouse, Recombinant fragment	CODEX®	Validated in CODEX® by Akoya Biosciences
Rab3D	ab128997	EPR8106	Anti-Rab3D antibody [EPR8106]	Human	TSA	Validated by abcam
Rab3D	ab248251	EPR8106	Anti-Rab3D antibody [EPR8106] - BSA and Azide free	Human	TSA	Validated by abcam
Renin	ab225743	EPR20693	Anti-Renin antibody [EPR20693] - BSA and Azide free	Mouse, Rat, Human	CODEX®	STAR Protoc 2021 PMID: 34430920
RIP	ab106393	Rabbit polyclonal	Anti-RIP antibody	Mouse, Rat, Human	IMC™	Abcam product reviews
Runx3	ab264068	R3-5G4	Anti-RUNX3 antibody [R3-5G4] - BSA and Azide free	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
SAGE1	ab233388	EPR21747	Anti-SAGE1 antibody [EPR21747]	Human	TSA	Validated by abcam
SAGE1	ab234526	EPR21747	Anti-SAGE1 antibody [EPR21747] - BSA and Azide free	Human	TSA	Validated by abcam
SDHA	ab14715	2E3GC12FB2AE2	Mouse monoclonal [2E3GC12FB2AE2] to SDHA	Mouse, Rat, Cow, Human	CyTOF®, MIBI-TOF	Nat Biotechnol 2021 PMID: 32868913
SHP1	ab226008	Y476	Recombinant Anti-SHP1 antibody [Y476] - BSA and Azide free	Mouse, Rat, Human	IMC™	Abcam product reviews
SHP2	ab131541	Rabbit polyclonal	Anti-SHP2 antibody	Mouse, Rat, Human	IMC™	Abcam product reviews
Sialoadhesin/CD169	ab227672	SP213	Anti-Sialoadhesin/CD169 antibody [SP213] - C-terminal	Human	TSA	Validated by abcam
Sialoadhesin/CD169	ab245735	SP213	Anti-Sialoadhesin/CD169 antibody [SP213] - BSA and Azide free	Human	TSA	Validated by abcam
SLC34A2	ab228474	SP322	Anti-SLC34A2 antibody [SP322] - N-terminal	Human	TSA	Validated by abcam
SLC34A2	ab238793	SP322	Anti-SLC34A2 antibody [SP322] - BSA and Azide free	Human	TSA	Validated by abcam
Sodium Potassium ATPase	ab167390	EP1845Y	Rabbit monoclonal [EP1845Y] to Sodium Potassium ATPase - BSA and Azide free	Mouse, Rat, Human, Chinese hamster	IMC™	Validated by IMC™ user community
Sodium Potassium ATPase	ab76020	EP1845Y	Anti-Sodium Potassium ATPase antibody [EP1845Y] - Plasma Membrane Loading Control	Mouse, Rat, Human, Chinese hamster	TSA	1. Cancers (Basel) 2020 PMID: 33322215
Somatostatin	ab140665	7G5	Anti-Somatostatin antibody [7G5]	Human, Recombinant fragment	CODEX®	Validated by users from CODEX® community
Somatostatin 28	ab111912	EPR3359(2)	Anti-Somatostatin 28 antibody [EPR3359(2)]	Human, Mouse, Rat	TSA	Validated by abcam
Somatostatin 28	ab227422	EPR3359(2)	Anti-Somatostatin 28 antibody [EPR3359(2)] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
Sox2	ab215970	EPR3131	Anti-SOX2 antibody [EPR3131] - BSA and Azide free	Mouse, Rat, Human	CODEX®	Validated in CODEX® by Akoya Biosciences
SOX2	ab215970	EPR3131	Recombinant Anti-SOX2 antibody [EPR3131] - BSA and Azide free	Human, Leucoraja erinacea, Mouse	IMC™	The clone is validated by the Single Cell & Imaging Mass Cytometry Analysis Platform, Goodman Cancer Research Centre, McGill University;

SOX2	ab92494	EPR3131	Anti-SOX2 antibody [EPR3131]	Mouse, Rat, Human, Leucoraja erinacea	TSA	1. J Neuroendocrinol 2020 PMID: 32959418 fig5
SOX9	ab220812	EPR14335	Anti-SOX9 antibody [EPR14335] - BSA and Azide free	Human, Mouse, Rat	IMC™	The clone is validated by Standard BioTools™
Sp7 / Osterix	ab227820	EPR21034	Recombinant Anti-Sp7 / Osterix antibody [EPR21034] - BSA and Azide free	Mouse, Rat, Human	IMC™	Abcam product reviews
SRC Family (phospho Y418)	ab239824	EP503Y	Recombinant Anti-SRC Family (phospho Y418) antibody [EP503Y] - BSA and Azide free	Human, Mouse, Rat	CyTOF®	Validated by CyTOF® user community
STAT1	ab234902	EPRR21057- 168	Recombinant Anti-STAT1 antibody [EPRR21057-168] - BSA and Azide free	Human	IMC™	Abcam product reviews
STAT1 (phospho S727)	ab215820	EPR3146	Recombinant Anti-STAT1 (phospho S727) antibody [EPR3146] - BSA and Azide free	Mouse, Rat, Human	IMC™	Abcam product reviews
STAT1 (phospho Y701)	ab30645	Rabbit polyclonal	Anti-STAT1 (phospho Y701) antibody	Mouse, Rat, Human	IMC™	Abcam product reviews
STAT2	ab231184	Rabbit polyclonal	Anti-STAT2 antibody	Mouse, Rat	IMC™	Abcam product reviews
STAT3	ab171359	EPR787Y	Recombinant Anti-STAT3 antibody [EPR787Y] - BSA and Azide free	Human, Mouse, Rat	CyTOF®	JCI insight, 2019, pii: 125306. DOI: 10.1172/jci.insight.125306
STAT3	ab171361	E121-21	Recombinant Anti-STAT3 antibody [E121-21] - BSA and Azide free	Human	IMC™	Abcam product reviews
STAT3 (phospho Y705)	ab171358	EP2147Y	Recombinant Anti-STAT3 (phospho Y705) antibody [EP2147Y] - BSA and Azide free	Mouse, Rat, Human	IMC™	Abcam product reviews
STAT5a + STAT5b	ab215367	EPR16671-40	Recombinant Anti-STAT5a + STAT5b antibody [EPR16671-40] - BSA and Azide free	Human, Mouse, Rat	CyTOF®, IMC™	JCI insight, 2019, pii: 125306. DOI: 10.1172/jci.insight.125306
SULT2A1/ST2	ab194113	EPR16096	Anti-SULT2A1/ST2 antibody [EPR16096]	Human, Mouse, Rat	TSA	Validated by abcam
SULT2A1/ST2	ab240333	EPR16096	Anti-SULT2A1/ST2 antibody [EPR16096] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
Surfactant protein D/SP-D	ab220423	EPR21928- 209	Anti-Surfactant protein D/SP-D antibody [EPR21928-209]	Human, Recombinant fragment	TSA	Validated by abcam
Surfactant protein D/SP-D	ab234257	EPR21928- 209	Anti-Surfactant protein D/SP-D antibody [EPR21928-209] - BSA and Azide free	Human, Recombinant fragment	TSA	Validated by abcam
Syk	ab190176	EP573Y	Recombinant Anti-Syk antibody [EP573Y] - BSA and Azide free	Mouse, Rat, Human	IMC™	Abcam product reviews
Syk (phospho Y323)	ab169865	EP573-4	Anti-Syk (phospho Y323) antibody [EP573-4] - BSA and Azide free	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
Synaptophysin	ab187259	YE269	Recombinant Anti-Synaptophysin antibody [YE269] - BSA and Azide free	Donkey, Human, Mouse, Rat	IMC™	Cell Metab. 2019 Mar 5;29(3):755-768.e5.PMID: 30713109
T-bet	ab150440	EPR9301	Anti-T-bet / Tbx21 antibody [EPR9301]	Human	TSA	1. Cell 2020 PMID: 32877699 fig 4
TCR alpha + TCR beta	ab25336	H57-597	Anti-TCR alpha + TCR beta antibody [H57-597]	Mouse	CODEX®	Validated in CODEX® by Akoya Biosciences
TCR gamma + TCR delta	ab231545	GL3	Anti-TCR gamma + TCR delta antibody [GL3]	Mouse	CODEX®	Validated by users from CODEX® community
TFAM	ab119684	18G102B2E1 1	Anti-mtTFA antibody [18G102B2E11] - Mitochondrial Marker	Human, Recombinant fragment	CODEX®	Validated in CODEX® by Akoya Biosciences
Thyroglobulin	ab151539	EPR3614(2)	Anti-Thyroglobulin antibody [EPR3614(2)]	Human	TSA	Validated by abcam
Thyroglobulin	ab248992	EPR3614(2)	Anti-Thyroglobulin antibody [EPR3614(2)] - BSA and Azide free	Human	TSA	Validated by abcam
Thyroid Peroxidase/TPO	ab109383	EPR5380	Anti-Thyroid Peroxidase/TPO antibody [EPR5380]	Human	TSA	Validated by abcam
Thyroid Peroxidase/TPO	ab239972	EPR5380	Anti-Thyroid Peroxidase/TPO antibody [EPR5380] - BSA and Azide free	Human	TSA	Validated by abcam
TIGIT	ab243903	BLR047F	Recombinant Anti-TIGIT antibody [BLR047F] - BSA free	Human	IMC™	Abcam product reviews
TIM 3	ab241332	EPR22241	Anti-TIM 3 antibody [EPR22241]	Human, Mouse, Rat	TSA	Validated by abcam
TIM 3	ab242080	EPR22241	Anti-TIM 3 antibody [EPR22241] - BSA and Azide free	Human, Mouse, Rat	TSA	Validated by abcam
TIM3	ab242080	EPR22241	Rabbit monoclonal [EPR22241] to TIM 3 - BSA and Azide free	Mouse, Rat, Human	IMC™	Xu Xiao et al., bioRxiv 2022 fig1.b doi:10.1101/2022.01.15.476480
Tissue Factor	ab252918	EPR22548- 240	Anti-Tissue Factor antibody [EPR22548- 240]	Human	TSA	Validated by abcam
Tissue Factor	ab254007	EPR22548- 240	Anti-Tissue Factor antibody [EPR22548- 240] - BSA and Azide free	Human	TSA	Validated by abcam

TLR3	ab62566	Rabbit polyclonal	Anti-TLR3 antibody	Mouse, Human	IMC™	Abcam product reviews
TOMM20	ab232589	EPR15581-54	Rabbit monoclonal [EPR15581-54] to TOMM20 - BSA and Azide free	Mouse, Rat, Human	CyTOF®, MIBI-TOF	Nat Biotechnol 2021 PMID: 32868913
TPTE	ab250148	EPR11867(2)	Anti-TPTE antibody [EPR11867(2)] - BSA and Azide free	Human	TSA	Validated by abcam
TRAIL	ab9959	Rabbit polyclonal	Anti-TRAIL antibody	Human	IMC™	Abcam product reviews
TRIM5 alpha	ab190235	Rabbit polyclonal	Anti-TRIM5 alpha antibody	Human	IMC™	Abcam product reviews
TSH beta	ab155958	EPR8198	Anti-TSH beta antibody [EPR8198]	Human, Rabbit	TSA	Validated by abcam
TSH beta	ab249213	EPR8198	Anti-TSH beta antibody [EPR8198] - BSA and Azide free	Human, Rabbit	TSA	Validated by abcam
Tyrosine Hydroxylase	ab220218	EP1532Y	Anti-Tyrosine Hydroxylase antibody [EP1532Y] - BSA and Azide free	Mouse, Rat, Human	CODEX®	Validated in CODEX® by Akoya Biosciences
UPK3	ab239006	EPR14420	Anti-Uropod III antibody [EPR14420] - BSA and Azide free	Human	CODEX®	Nat Commun 2021 PMID: 34385456 fig 5
Uromodulin	ab223540	EPR20071	Anti-UMOD antibody [EPR20071] - BSA and Azide free	Mouse, Rat, Human	CODEX®	STAR Protoc 2021 PMID: 34430920 fig8.d
VDAC1	ab14734	20B12AF2	Mouse monoclonal [20B12AF2] to VDAC1/Porin + VDAC3	Mouse, Rat, Cow, Human	CyTOF®, MIBI-TOF	Nat Biotechnol 2021 PMID: 32868913
Villin	ab130751	SP145	Anti-Villin antibody [SP145]	Human	TSA	Validated by abcam
Villin	ab245749	SP145	Anti-Villin antibody [SP145] - BSA and Azide free	Human	TSA	Validated by abcam
Vimentin	ab8978	RV202	Anti-Vimentin antibody [RV202] - Cytoskeleton Marker	Mouse, Rat, Human, Pig, Zebrafish	CODEX®	1. Cell. 2020 PMID:32763154 Fig 2, 3, S1, S3 2. Eur J Immunol 2021 PMID: 33548142 Fig 3C
Vimentin	ab193555	EPR3776	Anti-Vimentin antibody [EPR3776] - BSA and Azide free	Mouse, Rat, Human, African green monkey	CODEX®	1. STAR Protoc 2021 PMID: 34430920 fig8.d
Vimentin	ab92547	EPR3776	Anti-Vimentin antibody [EPR3776] - Cytoskeleton Marker	African green monkey, Human, Mouse, Rat	TSA	Validated by abcam
Vimentin	ab193555	EPR3776	Anti-Vimentin antibody [EPR3776] - BSA and Azide free	African green monkey, Human, Mouse, Rat	TSA	Validated by abcam
Vimentin	ab8978	RV202	Anti-Vimentin antibody [RV202] - Cytoskeleton Marker	Chicken, Cow, Dog, Goat, Hamster, Human, Monkey, Mouse, Pig, Rat, Xenopus laevis, Zebrafish	IMC™	1. Abcam product reviews 2. Validated by IMC™ user community
Vimentin	ab193555	EPR3776	Anti-Vimentin antibody [EPR3776] - BSA and Azide free	Mouse, Rat, Human (predicted: Rhesus monkey)	CyTOF®, IMC™	Publication (PubMed ID: 30982598)
XAF1	ab17204	Rabbit polyclonal	Anti-XAF1 antibody	Mouse, Rat, Human	IMC™	Abcam product reviews
xCT	ab37185	Rabbit polyclonal	Rabbit polyclonal to xCT	Human	CyTOF®	Nat Biotechnol 2021 PMID: 32868913
YKL-40/CHI3L1	ab255864	EPR19078-157	Anti-YKL-40/CHI3L1 antibody [EPR19078-157] - BSA and Azide free	Human	CODEX®	Validated in CODEX® by Akoya Biosciences
Zinc finger antiviral protein	ab154680	Rabbit polyclonal	Anti-Zinc finger antiviral protein antibody	Human	IMC™	Abcam product reviews
ZNF703	ab155210	Rabbit polyclonal	Anti-ZNF703 antibody	Human	IMC™	Nat Methods. 2014 Apr;11(4):417-22.PMID: 24584193

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