

ChipCytometry™ Biomarker Collection

Pre-validated Antibodies for Relevant Targets

Build your perfect biomarker panel using our list of openly-sourced antibodies validated for staining using ChipCytometry technology. All antibodies in this biomarker list have been rigorously tested in single-plex and multiplex assays for maximum signal-noise ratio, appropriate localization of signal, and target specificity. If this collection does not contain your protein target of interest, contact us to talk about custom marker validation through Canopy Spatial Services™.

Human Targets

Antibodies have been validated in human cell suspensions, frozen tissue, or FFPE tissue in multiplex and single-plex assays for specificity, sensitivity, and reproducibility.

Human Cell Suspension Targets					
Active caspase-3	CD24	CD64	CD172a/b	GATA-3	Interferon gamma
AhR	CD25	CD66b	CD183 (CXCR3)	Glycophorin A	Ki-67
Aiolos (IKZF3)	CD27	CD68	CD184 (CXCR4)	Glycophorin A/B	Lag-3
Bcl-2	CD28	CD69	CD185 (CXCR5)	GM-CSF	Light chain kappa
Beta-actin	CD29	CD71	CD193 (CCR3)	Granzyme B	Light chain lambda
CCR10	CD30	CD73	CD194 (CCR4)	Helios	MICA/B
CD1c	CD31	CD80	CD195 (CCR5)	HLA-DR	p21
CD2	CD33	CD81	CD196 (CCR6)	IDO	p53
CD3	CD34	CD83	CD197 (CCR7)	IgA	p-Histone H3 (Ser10)
CD4	CD36	CD86	CD206	IgD	p-Stat1 (Tyr701)
CD5	CD38	CD90	CD244	IgG	p-Stat3 (Tyr705)
CD8	CD39	CD95	CD257 (BAFF)	IgM	Pan-cytokeratin
CD10	CD40	CD102	CD278 (ICOS)	IL1b	PD-1
CD11b	CD45	CD115	CD319	IL2	PD-L1
CD11c	CD45RA	CD117 (c-Kit)	CLA	IL4	Perforin
CD14	CD45RO	CD123	Collagen IV alpha	IL5	SOX2
CD15	CD49d	CD127	CTLA-4	IL8	T-bet
CD16	CD52	CD134	CXCL10	IL10	TCF1/TCF7
CD18	CD54	CD137	CXCL13	IL12	TCR alpha/beta
CD19	CD56	CD138	Endoglin	IL13	TIGIT
CD20	CD57	CD141	EpCAM	IL17A	TIM-3
CD21	CD61	CD154 (CD40L)	FoxP3	IL17F	TNF alpha
CD22	CD62L	CD161	Galectin 3	IL23R	Vimentin

Human Targets (continued)

Human Frozen Tissue Targets					
CA-IX	CD29	CD69	CD155	E-cadherin	PD-1
CD3e	CD31	CD73	CD161	EGFR	PD-L1
CD4	CD33	CD86	CD163	EpCAM	SMA
CD8a	CD34	CD90	CD183	FoxP3	SMAD1/2/3
CD10	CD38	CD69	CD193 (CCR3)	GATA-3	TIGIT
CD11c	CD39	CD73	CD196 (CCR6)	Granzyme B	TIM-3
CD14	CD40	CD86	CD223	HER2	VEGFR-2
CD15	CD44	CD90	CD227 (MUC1)	HLA-A	Vimentin
CD16	CD45	CD95	CD271 (NGFR)	HLA-DR	
CD19	CD45RA	CD105 (Endoglin)	CD278 (ICOS)	Ki-67	
CD20	CD45RO	CD115	CD299	Mesothelin	
CD21	CD49d	CD123 (IL3RA)	CD335 (Nkp46)	N-cadherin	
CD25	CD56	CD140a (PDGFRa)	Collagen IV alpha	OX40	
CD27	CD66b	CD141	CTLA-4	Pan-cytokeratin	
CD28	CD68	CD152	Cytokeratin 18	Phospho-p44/42 MAPK (Erk1/2, Thr202/Tyr204)	

Human FFPE Tissue Targets					
CD11b	CD223 (LAG-3)	CD38	CD8	HLA-A	PD-1
CD11c	CD25	CD4	E-Cadherin	HLA-DR	PD-L1
CD123	CD278 (ICOS)	CD45	EGFR	Ki-67	S1PR1 (EDG-1)
CD138	CD3	CD45RA	FoxP3	Mesothelin	SMA
CD14	CD326 (EPCAM)	CD45RO	Granzyme B	p-AMPK alpha-1,2 (Thr183, Thr172)	Sox-10
CD19	CD357	CD66b	HER-2	Pan-CK	TCF1
CD20	CD366 (TIM-3)	CD68	Histone H3	PAX5	Vimentin



Mouse Targets

Antibodies have been validated in mouse cell suspensions, frozen tissue, or FFPE tissue in multiplex and single-plex assays for specificity, sensitivity, and reproducibility.

Mouse Cell Suspension Targets					
CD3	CD34	CD117	CD204	IL12	T-bet
CD4	CD45	CD124	CD206	IL17A	TCR2
CD5	CD45R (B220)	CD135	CD284	Interferon gamma	TNF alpha
CD8a	CD62L	CD137	CD301	Ly6C	UCP1
CD11b	CD69	CD154	CD317	Ly6G (GR1)	
CD11c	CD86	CD163	Endoglin	MHC II	
CD19	CD103	CD169	F4/80	NK1.1	
CD25	CD106	CD201	FoxP3	PD-1	
CD29	CD115	CD202b	IL10	PD-L1	

Mouse Frozen Tissue Targets					
Actin	CD19	CD335 (NKp46)	CD69	GFAP	PD-L1
CD103	CD206	CD45	Desmin	Ly6G (GR1)	Tyrosine hydroxylase
CD115	CD25	CD45R (B220)	EpCAM	MHC II	VEGFR-2
CD11b	CD27	CD5	F4/80	NK1.1	
CD11c	CD31	CD64	FAP	Pan-cytokeratin	
CD140b	CD3e	CD68	FoxP3	PD-1	
CD169	CD4	CD8a	Ly6C	SMA	

Mouse FFPE Tissue Targets					
CD3	CD8	CD45	F4/80	Ly6G	Ki-67
CD4	CD11c	CD45R (B220)			



Non-Human Primate Targets

Antibodies have been validated in non-human primate cell suspensions or frozen tissue in multiplex and single-plex assays for specificity, sensitivity, and reproducibility.

Non-Human Primate Cell Suspension Targets					
CD3	CD16	CD45	CD95	CD279	Interferon lambda
CD4	CD20	CD45RO	CD107a	FoxP3	IL2
CD8	CD27	CD56	CD123	Granzyme B	Ki-67
CD11b	CD39	CD80	CD161	HLA-DR	TNF alpha
CD14	CD40	CD86	CD278	Interferon gamma	

Non-Human Primate Frozen Tissue Targets					
Biotin	CD14	CD20	CD56	IgA	IgM
CD3	CD16	CD45	CD159a	IgG	

To learn more, visit CanopyBiosciences.com/
or email us hello.canopy@bruker.com

Canopy Biosciences
4340 Duncan Avenue
Suite 220
Saint Louis, Missouri 63110

© 2023 Canopy Biosciences and/or its affiliates. All rights reserved. Canopy Biosciences, ChipCytometry, and CellScape are trademarks of Bruker Corporation or its affiliates. For research use only. Not for use in diagnostic procedures.
CHI_ML082301

