

Stereo-seq TRANSCRIPTOMICS SOLUTION V1.3 FOR mIF APPLICATION IN-HOUSE VALIDATED ANTIBODY LIST

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STUM-PE004

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Note: Please download the latest version of the manual and use it with the corresponding Stereo-seq Transcriptomics kit.

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Table below lists the STOmics in-house validated antibodies and dilution ratio for the Stereo-seq mIF workflow. However, the customer must still validate the concentration for each antibody of interest through antibody titration. For more information, please refer to [STUM-TT003 Stereo-seq Transcriptomics Set V1.3 for mIF User Manual, Chapter 3 Antibody Titration](#).

Table 1 Validated Antibody List

No.	Cat.No.	Name	Vendor	Dilution ratio	Tested samples	Host Species	Compatible secondary antibody
1	ab183685	CD4	Abcam	1:100	PFA mouse spleen	Rabbit	Goat anti-Rabbit IgG (H+L), Alexa Fluor™ Plus 488[Invitrogen, A32731]; Donkey anti-Rabbit IgG (H+L), Alexa Fluor™ Plus 555[Invitrogen, A32794]; F(ab') ₂ -Goat anti-Rabbit IgG (H+L), Alexa Fluor™ Plus 647[Invitrogen, A48285]
2	ab209775	CD8	Abcam	1:100	PFA mouse spleen	Rabbit	
3	ab245235	CD19	Abcam	1:100	FF mouse spleen	Rabbit	
4	ab283654	CD68	Abcam	1:100	FF mouse thymus, mouse spleen and human lung cancer	Rabbit	
5	ab76020	Anti-Sodium Potassium ATPase	Abcam	1:500	FF mouse brain, mouse liver, mouse spleen, tumor bearing mouse and human lymph nodes	Rabbit	
6	ab300507	Anti-ATP1A1+ATP1A2+ATP1A3+ATP1A4	Abcam	1:100	FF mouse whole brain tumor	Rabbit	
7	15513-1-AP	Cardiac Troponin T Polyclonal antibody	proteintech	1:100	FF mouse heart	Rabbit	
8	15066-1-AP	NDUFS3 Polyclonal antibody	proteintech	1:100	FF mouse testis	Rabbit	
9	ab230644	Anti-TESK2 antibody	Abcam	1:100	FF mouse testis	Rabbit	
10	MA5-14520	Ki-67 Recombinant Rabbit Monoclonal Antibody (SP6)	Invitrogen	1:50	FF tumor bearing mouse and human lymph nodes	Rabbit	
11	29312-1-AP	Parvalbumin Polyclonal antibody	proteintech	1:100	PFA mouse brain, not suitable for FF mouse brain	Rabbit	
12	ab181086	Parvalbumin	Abcam	1:100	PFA mouse brain, not suitable for FF mouse brain	Rabbit	

No.	Cat.No.	Name	Vendor	Dilution ratio	Tested samples	Host Species	Compatible secondary antibody
13	ab222517	Anti-liver FABP antibody [EPR20464]	Abcam	1:100	FF mouse liver	Rabbit	Goat anti-Rabbit IgG (H+L), Alexa Fluor™ Plus 488[Invitrogen, A32731]; Donkey anti-Rabbit IgG (H+L), Alexa Fluor™ Plus 555[Invitrogen, A32794]; F(ab') ₂ -Goat anti-Rabbit IgG (H+L), Alexa Fluor™ Plus 647[Invitrogen, A48285]
14	019-19741	Iba1	Wako	1:200	FF mouse whole brain tumor	Rabbit	
15	AB245731	CD3	Abcam	1:200	FF human tonsil and human colorectal cancer	Rabbit	
16	ab187537	CD11b	Abcam	1:200	FF human tonsil	Rabbit	
17	AB216655	CD11c	Abcam	1:200	FF human tonsil	Rabbit	
18	ab214282	CD20	Abcam	1:200	FF human tonsil	Rabbit	
19	ab228818	CD40	Abcam	1:200	FF human tonsil	Rabbit	
20	AB272936	CXCR5	Abcam	1:200	FF human tonsil	Rabbit	
21	ab104224	NeuN	Abcam	1:500	FF mouse brain	Mouse	Goat anti-Mouse IgG (H+L), Alexa Fluor™ Plus 488[Invitrogen, A32723]; Donkey anti-Mouse IgG (H+L), Alexa Fluor™ Plus 555[Invitrogen, A32773]; Goat anti-Mouse IgG (H+L), Alexa Fluor™ Plus 647[Invitrogen, A55060]
22	60287-1-Ig	CD45	proteintech	1:100	FF mouse thymus	Mouse	
23	66219-1-Ig	N-cadherin Monoclonal antibody	proteintech	1:100	FF mouse heart	Mouse	
24	66255-1-Ig	AKAP3 Monoclonal antibody	proteintech	1:400	FF mouse testis	Mouse	
25	307901	anti-human/mouse/rat PCNA	Biolegend	1:250	FF human lymph nodes	Mouse	
26	ab7753	pan Cytokeratin	Abcam	1:100	FF tumor bearing mouse and human lymph nodes	Mouse	
27	NBP1-79127	CD45 Antibody (HI30)	NOVUS	1:100	FF human lymph nodes	Mouse	
28	MA1-10175	CD3 Monoclonal Antibody (OKT3)	Invitrogen	1:50	FF human lymph nodes	Mouse	
29	14-0688-82	CD68 Monoclonal Antibody (KP1)	Invitrogen	1:50	FF human lymph nodes	Mouse	

No.	Cat.No.	Name	Vendor	Dilution ratio	Tested samples	Host Species	Compatible secondary antibody
30	801701	Neurofilament H (NF-H) (#SMI 32)	Biolegend	1:200	FF mouse brain	Mouse	Goat anti-Mouse IgG (H+L), Alexa Fluor™ Plus 488[Invitrogen, A32723]; Donkey anti-Mouse IgG (H+L), Alexa Fluor™ Plus 555[Invitrogen, A32773]; Goat anti-Mouse IgG (H+L), Alexa Fluor™ Plus 647[Invitrogen, A55060]
31	66129-1-Ig	Arginase-1 Monoclonal antibody	proteintech	1:200	FF mouse liver	Mouse	
32	66926-1-Ig	GPNMB Monoclonal antibody	proteintech	1:200	FF mouse liver	Mouse	
33	372902	CD8a	Biolegend	1:200	FF human tonsil	Mouse	
34	354902	CD21	Biolegend	1:200	FF human tonsil	Mouse	
35	304102	CD45RA	Biolegend	1:200	FF human tonsil and human colorectal cancer	Mouse	
36	375602	CD68	Biolegend	1:200	FF human tonsil and human colorectal cancer	Mouse	
37	327002	HLA-DR	Biolegend	1:200	FF human tonsil	Mouse	
38	103202	CD45R	Biolegend	1:100	PFA mouse spleen	Rat	Goat anti-Rat IgG (H+L), Alexa Fluor™ Plus 488[Invitrogen, A48262]; Donkey anti-Rat IgG (H+L), Alexa Fluor™ Plus 555[Invitrogen, A48270]; Goat anti-Rat IgG (H+L), Alexa Fluor™ Plus 647[Invitrogen, A-21247]
39	102401	CD31	Biolegend	1:100	FF mouse brain, hear, liver, spleen and human lymph nodes	Rat	
40	ab11089	CD3	Abcam	1:100	FF mouse thymus	Rat	
41	151402	anti-mouse TEX101 Antibody	Biolegend	1:100	PFA mouse testis	Rat	