

Supplementary Table 3. CITE-seq antibody staining panel

	Target	Clone	Cat#	Name
1	CD45	HI30	304068	TotalSeq™-C0391 anti-human CD45 Antibody
2	CD196 (CCR6)	G034E3	353440	TotalSeq™-C0143 anti-human CD196 (CCR6) Antibody
3	CD5	UCHT2	300637	TotalSeq™-C0138 anti-human CD5 Antibody
4	CD195 (CCR5)	NP-6G4	359137	TotalSeq™-C0141 anti-human CD195 (CCR5) Antibody
5	CD4	RPA-T4	300567	TotalSeq™-C0072 anti-human CD4 Antibody
6	CD8a	RPA-T8	301071	TotalSeq™-C0080 anti-human CD8a Antibody
7	CD7	CD76B7	343127	TotalSeq™-C0066 anti-human CD7 Antibody
8	CD14	63D3	367137	TotalSeq™-C0051 anti-human CD14 Antibody
9	CD25 (IL-2R)	BC96	302649	TotalSeq™-C0085 anti-human CD25 Antibody
10	CD223 (LAG3)	11C3C65	369335	TotalSeq™-C0152 anti-human CD223 (LAG-3) Antibody
11	ICOS	C398.4A	313553	TotalSeq™-C0171 anti-human/mouse/rat ICOS Antibody
12	CD21	Bu32	354923	TotalSeq™-C0181 anti-human CD21 Antibody
13	TIGIT	MBSA43	372729	TotalSeq™-C0089 anti-human TIGIT (VSTM3) Antibody
14	TIM-3	F38-2E2	345049	TotalSeq™-C0169 anti-human CD366 (Tim-3) Antibody
15	CD279 (PD-1)	EH12.2H7	329963	TotalSeq™-C0088 anti-human CD279 (PD-1) Antibody
16	CD183 (CXCR3)	G025H7	353747	TotalSeq™-C0140 anti-human CD183 (CXCR3) Antibody
17	CD194 (CCR4)	L291H4	359425	TotalSeq™-C0071 anti-human CD194 (CCR4) Antibody
18	CD197 (CCR7)	G043H7	353251	TotalSeq™-C0148 anti-human CD197 (CCR7) Antibody
19	CD28	CD28.2	302963	TotalSeq™-C0386 anti-human CD28 Antibody
20	CD26	BA5B	302722	TotalSeq™-C0396 anti-human CD26 Antibody
21	CD69	FN50	310951	TotalSeq™-C0146 anti-human CD69 Antibody
22	CD272/BTLA	MIH26	344527	TotalSeq™-C0170 anti-human CD272 (BTLA) Antibody
23	CD161	HP-3G10	339947	TotalSeq™-C0149 anti-human CD161 Antibody
24	CD19	HIB19	302265	TotalSeq™-C0050 anti-human CD19 Antibody
25	CD141	M80	344125	TotalSeq™-C0163 anti-human CD141 Antibody
26	CD27	O323	302853	TotalSeq™-C0154 anti-human CD27 Antibody
27	CD127 (IL-7R)	A019D5	351356	TotalSeq™-C0390 anti-human CD127 (IL-7R $\alpha$ ) Antibody
28	CD45RA	HI100	304163	TotalSeq™-C0063 anti-human CD45RA Antibody
29	CD3	UCHT1	300479	TotalSeq™-C0034 anti-human CD3 Antibody
30	KLRG1	2F1	138433	TotalSeq™-C0250 anti-mouse/human KLRG1 (MAFA) Antibody
31	CD57	QA17A04	393321	TotalSeq™-C0168 anti-human CD57 Recombinant Antibody
32	4-1BB/CD137	4B4-1	309839	TotalSeq™-C0355 anti-human CD137 (4-1BB) Antibody
33	HLA-DR	L243	307663	TotalSeq™-C0159 anti-human HLA-DR Antibody
34	CD56 (NCAM)	5.1H11	362559	TotalSeq™-C0047 anti-human CD56 (NCAM) Antibody
35	CD16	3GB	302065	TotalSeq™-C0083 anti-human CD16 Antibody