

Target	Clone	Metal
MaxPar Direct Immune Profiling		
CD45	HI30	89Y
Live/dead indicator	N/A	103Rh
CD196 (CCR6)	G034E3	141Pr
CD123	6H6	143Nd
CD19 (CCR6)	HIB19	144Nd
CD4	RPA-T4	145Nd
CD8a	RPA-T8	146Nd
CD11c	Bu15	147Sm
CD16	3G8	148Nd
CD45RO	UCHL1	149Sm
CD45RA	HI100	150Nd
CD161	HP-3G10	151Eu
CD194 (CCR4)	L291H4	152Sm
CD25	BC96	153Eu
CD27	O323	154Sm
CD57	HCD57	155Gd
CD183 (CXCR3)	G025H7	156Gd
CD185 (CXCR5)	J252D4	158Gd
CD28	CD28.2	160Gd
CD38	HB-7	161Dy
CD56	NCAM16.2	163Dy
TCRgamma delta	B1	164Dy
CD294	BM16	166Dy
CD197 (CCR7)	G043H7	167Er
CD14	63D3	168Er
CD38	UCHT1	170Er
CD20	2H7	171Yb
CD66b	G10F5	172Yb
HLA-DR	LN3	173Yb
IgD	IA6-2	174Yb
CD127	A019D5	176Yb
T cell expansion panel 2		
CD11a	HI111	142Nd
CD366 (TIM-3)	F38-2E2	159Tb
CD95 (FAS)	DX2	162Dy
CD279 (PD-1)	EH12.2H7	165Ho
CD278 (ICOS)	C398.4A	169Tm
CD184 (CXCR4)	12G5	175Lu
TIGIT	MBSA43	209Bi

**Table S2:** The antibodies used in CyTOF experiments.