

Table S1 (Related to Figure 1 - 4). CyTOF antibodies.

Antibodies that were purchased directly conjugated are labeled with (d). Other antibodies were conjugated with Fluidigm's Maxpar conjugation kit according to manufacturer's instructions.

Antibody Specificity	Metal Tag	Clone	Manufacturer
Ly6c	115 Ln	HK14	BioLegend
CD44	141 Pr	IM7	BioLegend
CXCR5	142 Nd	145502	BioLegend
CD45.2	143 Nd	104	BioLegend
GzmB	144 Nd	GB11	Thermofischer
CTLA4	145 Nd	UC10-4B9	BioLegend
Eomes	146 Nd	Dan11mag	eBioscience
Thy1.1	147 Sm	HIS51	eBioscience
ICOS	148 Nd	C398.4A	Fluidigm (d)
CD69	149 Sm	H1.273	BioLegend
CD25	151 Eu	3C7	Fluidigm (d)
CD86	152 Sm	GL-1	Biolegend
CD8a	153 Eu	536.7	Fluidigm (d)
CD45.1	154 Sm	A20	Biolegend
CD103	155 Gd	M290	BD Bioscience
CD27	156 Gd	LG.3A10	Biolegend
CD39	159 Tb	24DMS1	eBioscience
CD4	160 Gd	rm4-5	BioLegend
Tbet	161 Dy	4B10	Fluidigm (d)
Foxp3	162 Dy	MF-14	BioLegend
Tim3	163 Dy	215008	R & D Systems
CX3CR1	164 Dy	SA011F11	Fluidigm (d)
TCR β	165 Ho	109202	BioLegend
TCF1	167 Er	S33-966	BD Bioscience
Bcl6	168 Er	K112.91	BD Bioscience
SLAMF1	169 Tm	TC15-12F12.2	BioLegend
Nk1.1	170 Er	PK136	Fluidigm (d)
CD80	171 Yb	16-10A1	Fluidigm (d)
Ki67	172 Yb	B56	BD Bioscience
Helios	173 Yb	22F6	Biolegend
CD127	174 Yb	A7R34	Biolegend

PD1	175 Lu	RMP-30	BioLegend
Thy1.2	176 Yb	53-21	Thermo Fischer
Lag3	209 Bi	C9B7W	Biolegend

Table S2 (Related to Figure 1 - 2). Markers Used to Cluster SMARTA CD4 T cells

Antibody
Ly6c
CD44
CXCR5
GzmB
Eomes
CD69
CD86
CD39
Tbet
Tim3
CX3CR1
TCF1
Bcl6
SLAMF1
CD80
Helios
CD127
PD1
Lag3

Table S3 (Related to Figure 3). Markers Used to Cluster Regulatory T cells

Antibody
Ly6c
CD44
CXCR5
CTLA4
Eomes
CD69
CD25
CD86
CD103
CD39
Tbet
Foxp3
Tim3
TCF1
Bcl6
SLAMF1
CD80
Helios
CD127
PD1
Lag3