

Supplementary Table 3. CyTOF Antibody Panels

Regular CyTOF Panel						
	TaggedAbs.description	Target	label	Source	cat	RRID
Surface Ab	Ly-6G 141Pr	Ly-6G	141Pr	DVS-Fluidigm	3141008B	AB_2814678
	CD11c(Ms) 142Nd	CD11c	142Nd	DVS-Fluidigm	3142003B	AB_2814737
	CD115(Ms) 144Nd	CD115	144Nd	DVS-Fluidigm	3144012B	AB_2895116
	CD4(Ms) 145Nd (MDA)	CD4(Ms)	145Nd	BioLegend	100506	AB_312709
	CD8a(Ms) 146Nd (MDA)	CD8a	146Nd	BioLegend	100702	AB_312741
	CD45(Ms) 147Sm	CD45(Ms)	147Sm	DVS-Fluidigm	3147003B	AB_2811243
	CD11b 148Nd	CD11b	148Nd	DVS-Fluidigm	3148003B	AB_2814738
	CD25(Ms) 150Nd (MDA)	CD25	150Nd	BioLegend	101902	AB_312845
	CD3e 152Sm (MDA)	CD3, CD3e	152Sm	BioLegend	100302	AB_312667
	CD274(Ms) 153Eu (MDA)	CD274, PD-L1	153Eu	BioLegend	124303	AB_961230
	CD209B(Ms) 155Gd	CD209B	155Gd	BioLegend	147802	AB_2563446
	TCRb(Ms) 156Gd	TCR beta	156Gd	BioLegend	109201	AB_313424
	CXCR4(Ms) 159Tb	CD184, CXCR4	159Tb	DVS-Fluidigm	3159030B	N/A
	CD183(Ms) 161Dy	CD183, CXCR3	161Dy	BioLegend	126502	AB_1027635
	Ly-6C 162Dy	Ly-6C	162Dy	DVS-Fluidigm	3162014B	AB_2922921
	CD152(Ms) 163Dy	CD152, CTLA-4	163Dy	BioLegend	106202	AB_313247
	NK1.1(Ms) 170Er	NK1.1, CD161b/c, Ly-55	170Er	DVS-Fluidigm	3170002B	AB_2885023
	CD279(Ms) 171Yb (29F.1A12)	CD279, PD-1	171Yb	BioLegend	135202	AB_1877121
	CD86(Ms) 172Yb	CD86	172Yb	DVS-Fluidigm	3172016B	AB_2922923
	F4/80 173Yb	F4/80	173Yb	BioLegend	123102	AB_893506
CD326(Ms) 174Yb	CD326 (Ms)	174Yb	BioLegend	118201	AB_1089026	
B220 176Yb	B220, CD45R	176Yb	BioLegend	103202	AB_312987	
I-A/I-E 209Bi	I-A/I-E, MHC-II	209Bi	DVS-Fluidigm	3209006B	AB_2885025	
Intracellular Ab	Vimentin 154Sm	Vimentin	154Sm	DVS-Fluidigm	3154014A	N/A
	Foxp3(Ms) 158Gd	Foxp3	158Gd	DVS-Fluidigm	3158003A	AB_2814740
	Arginase-1 166Er (MDA)	Arg-1, Arginase-1	166Er	BioLegend	678802	AB_2566051
	Ki67 168Er	Ki67	168Er	BD	556003	AB_396287
	CD206(Ms) 169Tm	CD206, MMR	169Tm	DVS-Fluidigm	3169021B	AB_2832249

T cell-focused CyTOF Panel						
	TaggedAbs.description	Target	label	Source	cat	RRID
Surface Ab	CD45(Ms) 89Y	CD45(Ms)	89Y	DVS-Fluidigm	3089005B	AB_2651152
	Ly-6G 141Pr	Ly-6G	141Pr	DVS-Fluidigm	3141008B	AB_2814678
	TCRb(Ms) 143Nd	TCR	143Nd	DVS-Fluidigm	3143010B	N/A
	CD4(Ms) 145Nd (MDA)	CD4(Ms)	145Nd	BioLegend	100506	AB_312709
	CD8a(Ms) 146Nd (MDA)	CD8a	146Nd	BioLegend	100702	AB_312741
	CD223(Ms) 147Sm	CD223, LAG-3	147Sm	BioLegend	125202	AB_961187
	CD11b 148Nd	CD11b	148Nd	DVS-Fluidigm	3148003B	AB_2814738
	CD25(Ms) 150Nd (MDA)	CD25	150Nd	BioLegend	101902	AB_312845
	TIGIT(Ms) 151Eu	TIGIT, Vstm3	151Eu	BioLegend	142102	AB_10960124
	CD3e 152Sm (MDA)	CD3, CD3e	152Sm	BioLegend	100302	AB_312667
	CD274(Ms) 153Eu (MDA)	CD274, PD-L1	153Eu	BioLegend	124303	AB_961230
	CD11c(Ms) 154Sm	CD11c	154Sm	Tonbo	70-0114-U10	N/A
	F4/80 159Tb (MDA)	F4/80	159Tb	BioLegend	123102	AB_893506
	TCRgd(Ms) 160Gd	TCRgd	160Gd	eBioscience	14-5711-82	AB_467569
	CD279(Ms) 161Dy (29F.1A12)	CD279, PD-1	161Dy	BioLegend	135202	AB_1877121
	TIM-3(Ms) 162Dy	TIM3, CD366	162Dy	DVS-Fluidigm	3162029B	N/A
	CD152(Ms) 163Dy	CD152, CTLA-4	163Dy	BioLegend	106202	AB_313247
	NK1.1(Ms) 170Er	NK1.1, CD161b/c, Ly-55	170Er	DVS-Fluidigm	3170002B	AB_2885023
	CD80(Ms) 171Yb	CD80	171Yb	DVS-Fluidigm	3171008B	AB_2885024
	B220 176Yb	B220, CD45R	176Yb	BioLegend	103202	AB_312987
Intracellular Ab	VISTA 142Nd (IMC)	VISTA	142Nd	CST	54979BF	AB_2799474
	IL-2(Ms) 144Nd	IL-2	144Nd	DVS-Fluidigm	3144002B	N/A
	Foxp3(Ms) 158Gd	Foxp3	158Gd	DVS-Fluidigm	3158003A	AB_2814740
	IFNg(Ms) 165Ho	IFNg	165Ho	DVS-Fluidigm	3165003B	AB_2925174
	IL-4(Ms) 166Er	IL-4	166Er	DVS-Fluidigm	3166003B	N/A
	GFP 169Tm	GFP	169Tm	DVS-Fluidigm	3169009B	AB_2814899
Granzyme B 173Yb	Granzyme B	173Yb	DVS-Fluidigm	3173006B	AB_2811095	