

Supplementary Table 1. Antibody conjugates and other reagents for flow cytometry

Marker (Specificity)	Fluorochrome/Tag	mAb Clone	Supplier (Cat. No.)	Resource Identifier	Dilution	Staining
mCD1d	FITC	1B1	BD Biosciences (561756)	RRID:AB_10894191	1:200	Surface
huHER2	Biotin	BAF1129	Biotechne	RRID:AB_355859	1:200	Surface
huCEA	FITC	Kat4c	Millipore (FCMAB204F)	RRID:AB_11213005	1:200	Surface
4-1BB	BV 650	1AH2	BD Biosciences (BDB740499)	RRID:AB_395075	1:250	Surface
B220	BV 750	RA3-6B2	BioLegend (103261)	RRID:AB_2734157	1:200	Surface
B220	PerCP-Cy5.5	RA3-6B2	Tonbo (65-0452-U100)	RRID:AB_26218921	1:200	Surface
B220	APC-Cy7	RA3-6B2	BD Biosciences (552094)	RRID:AB_394335	1:200	Surface
mCD1d tetramer	APC	NA	NIH Tetramer Core Facility	NA	7.5 µg/ml	Surface
CD3ε	PE-Cy5	145-2C11	BD Biosciences (553067)	RRID:AB_394599	1:200	Surface
CD4	PerCP	GK1.5	BioLegend (100432)	RRID:AB_893323	1:250	Surface
CD4	BV605	RM4-5	BD Biosciences (563151)	RRID:AB_2687549	1:250	Surface
CD8α	PB	53-6.7	BD Biosciences (558106)	RRID:AB_397029	1:200	Surface
CD8α	Alexa Fluor 700	53-6.7	eBiosciences (56-0081-82)	RRID:AB_494005	1:500	Surface
CD11b	Alexa Fluor 700	M1/70	BD Biosciences (557960)	RRID:AB_396960	1:250	Surface
CD11c	FITC	HL3	BD Biosciences (553801)	RRID:AB_395060	1:250	Surface
CD25	APC-Cy7	3C7	BioLegend (101918)	RRID:AB_2650982	1:250	Surface
CD27	PE/Dazzle 594	LG.3A10	BioLegend (124228)	RRID:AB_2565794	1:250	Surface
CD28	PE	JJ319	BD Biosciences (559984)	RRID:AB_397410	1:250	Surface
CD28	BV421	28.2	BD Biosciences (562613)	RRID:AB_2737676	1:200	Surface

Marker (Specificity)	Fluorochrome/Tag	mAb Clone	Supplier (Cat. No.)	Resource Identifier	Dilution	Staining
CD40L	BV480	Mr1	BD Biosciences (746825)	RRID:AB_2744077	1:250	Surface
CD45	PE-Cy7	30-F11	BioLegend (103114)	RRID:AB_312979	1:250	Surface
CD69	FITC	H1.2F3	BD Biosciences (553236)	RRID:AB_394725	1:250	Surface
CD80	PE	1G10	Novus-Bio (NBP1-28029)	RRID:AB_1852659	1:250	Surface
CD86	APC-Cy7	GL-1	BioLegend (105030)	RRID:AB_2244452	1:250	Surface
CTLA-4	AlexaFluor488	9D9	BioXcell	RRID:AB_10949608	1:250	Surface
F4/80	APC	BM8	BioLegend (123116)	RRID:AB_893481	1:250	Surface
FoxP3	eFluor450	FJK-16s	eBiosciences (48-5773-82)	RRID:AB_1518812	1:200	Intracellular
Gr-1 (Ly6-C, -G)	PerCP	RB6-8C5	BioLegend (108426)	RRID:AB_893557	1:250	Surface
ICOS	Brilliant Violet 510	C398.4A	BioLegend (313525)	RRID:AB_2562642	1:250	Surface
IFN γ	Alexa Fluor 700	XMG1.2	BD Biosciences (557998)	RRID:AB_396979	1:200	Intracellular
LAG3	PerCP-Cy5.5	C9B7W	BioLegend (125212)	RRID:AB_2561517	1:250	Surface
Live/Dead	DAPI	NA	Sigma (10236276001)	NA	1 μ g/mL	Nuclear
Live/Dead	Fixable Blue	NA	ThermoFisher (L34955)	NA	1:500	Cytoplasmic
Live/Dead	Zombie NIR	NA	BioLegend (423106)	NA	1:1000	Cytoplasmic
NK1.1	BV421	PK136	BD Biosciences (562921)	RRID:AB_2728688	1:250	Surface
Nkp46	Alexa Fluor 700	29A1.4	BD Biosciences (561169)	RRID:AB_10561840	1:250	Surface
OX40	Brilliant Violet 605	OX-86	BioLegend (119419)	RRID:AB_2687175	1:250	Surface
PD-1	PerCP-eFluor 710	J43	eBiosciences (46-9985-82)	RRID:AB_11150055	1:200	Surface
PD-L1	PE	10F.9G2	BioLegend (124308)	RRID:AB_2073556	1:250	Surface
PD-L2	APC	B7-DC	ThermoFisher (17-5888-42)	RRID:AB_2573238	1:250	Surface

Marker (Specificity)	Fluorochrome/Tag	mAb Clone	Supplier (Cat. No.)	Resource Identifier	Dilution	Staining
ROR γ T	Brilliant Violet 786	Q31-378	BD Biosciences (564723)	RRID:AB_2738916	1:200	Intracellular
T-bet	Brilliant Violet 711	4B10	BioLegend (644820)	RRID:AB_2715766	1:200	Intracellular
TCR β	PerCP-Cy5.5	H57-597	Tonbo (65-5961)	RRID:AB_2621911	1:200	Surface
Tim-3	Alexa Fluor 647	B8.2C12	BioLegend (134006)	RRID:AB_1626175	1:250	Surface

Supplemental Table 2. Mab and detection reagents used for ELISA analyses

MAB or reagent	Application	Species	Clone	Supplier (Cat. #)	Reagent Identifier	Working Dilution
Anti-IFN γ	Capture	Rat	R4-6A2	BD Biosciences (551216)	RRID:AB_394094	1:1000
Biotin anti-IFN γ	Detection	Rat	XMG1.2	BD Biosciences (554410)	RRID:AB_395374	1:500
Anti-IL4	Capture	Rat	11B11	BD Biosciences (554434)	RRID:AB_395390	1:500
Biotin anti-IL4	Detection	Rat	BVD6-24G2	BD Biosciences (554390)	RRID:AB_395362	1:500
Anti-IL12p70	Capture	Rat	9A5	BD Biosciences (554658)	RRID:AB_395493	1:500
Biotin anti-IL12p40/p70	Detection	Rat	C17.8	BD Biosciences (554476)	RRID:AB_395419	1:500
Streptavidin-HRP	Detection	<i>Streptomyces avidinii</i>	na	BD Biosciences (554066)	RRID:AB_2868972	1:500