

Antibodies, Flow	Fluor	Clone	Company	Catalog Number	Dilution
anti-human CD19	PE	HIB19	BioLegend	302208	1X
anti-human CD19	APC	HIB19	BioLegend	302212	1X
mouse anti-human CD40	BUV395	5C3	BD Horizon	565202	1X
mouse anti-human CD209	BV421	DCN46	BD Horizon	564127	1X
anti-human CD86	BV605	IT2.2	BioLegend	305430	0.5X
anti-human CD163	BV711	GHI/61	BioLegend	333630	1X
anti-mouse/human CD11b	PerCP/Cy5.5	M1/70	BioLegend	101228	0.5X
anti-human CD206 (MMR)	PE	15-2	BioLegend	321106	0.5X
anti-human CD274 (B7-H1, PD-L1)	PE/Cy7	29E.2A3	BioLegend	329718	0.5X
anti-human HLA-DR, DP, DQ	A647	Tü39	BioLegend	361704	1X
mouse anti-human CD80	APC-H7	L307.4	BD Pharmingen	561134	0.5X
anti-human HLA-DR	APC	L243	BioLegend	307610	1X
anti-human CD11b	PerCP/Cy5.5	LM2	BioLegend	393106	1X
mouse anti-human CD212	APC	2.4E6	BD Pharmingen	558708	1X
moues anti-mouse CD212	PE	114	BD Pharmingen	551974	1X
human/mouse IL-12 R beta 2	PE	305719	R&D	FAB1959P	1X
rat anti-mouse CD45	BUV395	30-F11	BD Horizon	564279	0.125X
anti-mouse CD274 (B7-H1, PD-L1)	BV421	10F.9G2	BioLegend	124315	0.5X
anti-mouse CD11c	BV605	N418	BioLegend	117334	1X
anti-mouse CD206 (MMR)	BV711	C068C2	BioLegend	141727	1X
anti-mouse CD40	A488	HM40-3	BioLegend	102910	1X
CD163 monoclonal	PE	TNKUPJ	Invitrogen	12-1631-80	1X
hamster anti-mouse CD80	PE-CF594	16-10A1	BD Horizon	562504	0.125X
CD204 monoclonal	PE-Cy7	M204PA	Invitrogen	25-2046-80	1X
anti-mouse F4/80	A647	BM8	BioLegend	123122	1X
anti-mouse CD86	A700	GL-1	BioLegend	105024	1X
anti-mouse I-A/I-E	APC/Fire 750	M5/114.15.2	BioLegend	107652	1X
mouse anti-human CD8	PerCP-Cy5.5	RPA-T8	BD Pharmingen	560662	1X
anti-human CD4	A647	OKT4	BioLegend	317422	1X
anti-human CD69	PE	FN50	BioLegend	310906	1X
anti-human CD4	PE/Dazzle 594	OKT4	BioLegend	317448	0.25X
mouse anti-human CD25	APC	M-A251	BD Pharmingen	555434	1X
anti-human CD8a	A700	HIT8a	BioLegend	300920	1X
anti-human IFN- γ	BV785	4S.B3	BioLegend	502542	1X
anti-human CD279 (PD-1)	BUV661	EH12.1	BD OptiBuild	750260	0.5X
anti-human CD366 (Tim-3)	BV711	F38-2E2	BioLegend	345024	1X
anti-human CD8	FITC	SK1	BioLegend	344704	0.5X
CD223 (LAG-3) monoclonal	PE	3DS223H	Invitrogen	12-2239-42	1X
Trastuzumab (Herceptin)	Biotin	N/A	Genentech (Ab); Jensen Lab (biotinylation)	N/A	1:1,000 for staining; 1:20 for cell sorting

Fixable Viability Stain 520	N/A	N/A	BD Horizon	564407	1:16,000
Fixable Viability Stain 780	N/A	N/A	BD Horizon	565388	1:2,000
LIVE/DEAD Fixable Blue Dead Cell Stain Kit, for UV excitation	N/A	N/A	Invitrogen	L34962	1:1,000
CellTrace Violet Cell Proliferation Kit	N/A	N/A	Invitrogen	C34557	5 μ M
Antibodies & Reagents, Live Imaging	Company	Catalog Number	Clone	Dilution or Concentration	
anti-human CD326 (EpCAM)	BioLegend	324212	9C4	10 μ L in 500 μ L (per well)	
SR-FLICA	Immunochemistry Technologies	916	N/A	2 μ L in 500 μ L (per well)	
Reagents for Protein Assays	Company	Catalog Number			
Bio-Plex Pro Human Cytokine IFN- γ Set	Bio-Rad	171B5019M			
Bio-Plex Pro Human Cytokine IL-12 (p70) Set	Bio-Rad	171B5011M			
Bio-Plex Pro Human Cytokine IP-10 Set	Bio-Rad	171B5020M			
Bio-Plex Pro Human Cytokine MIG Set	Bio-Rad	171B6015M			
Bio-Plex Pro Human Cytokine Screening Panel Standards	Bio-Rad	12007919			
Bio-Plex Pro Human Cytokine Standards Group I	Bio-Rad	171D50001			
Bio-Plex Pro Human Immunotherapy Panel, 20-Plex	Bio-Rad	12007975			
Bio-Plex Pro Mouse Cytokine IL-12 (p70) Set	Bio-Rad	171G5011M			
Bio-Plex Pro Mouse Cytokine Standards Group 1	Bio-Rad	171150001			
Bio-Plex Pro Reagent Kit III	Bio-Rad	various			
Bio-Plex Pro Reagent Kit IV	Bio-Rad	various			
Milliplex Map Human Cytokine/Chemokine Magnetic Bead Panel	Millipore Sigma	HCYTOMAG-60K			
nCounter Nanostring panels	Company	Catalog Number			
nCounter [®] Human Immunology v2 Panel	NanoString	XT-CSO-HIM2-12			
nCounter [®] PanCancer Immune Profiling Panel	NanoString	XT-CSO-HIP1-12			
nCounter [®] PanCancer Mouse Immune Profiling	NanoString	XT-CSO-MIP1-12			

Supplementary Table 1 Detailed reagent list.