

Supplementary Table 1.

Antibodies for surface stain

Antibodies	Fluorochromes	Clone names	Vendor	Catalog numbers
Anti-human CD33	FITC	HIM3-4	eBioscience	11-0339
Anti-human CD11b	PE	ICRF44	eBioscience	12-0118
Anti-human HLA-DR	eFluor450	L243	eBioscience	48-9952
Anti-human CD14	PE-Cy7	61D3	eBioscience	25-0149
Anti-human CD15	APC	MMA	eBioscience	17-0158
Anti-human CD11c	AF700	3.9	eBioscience	56-0116

Antibodies	Fluorochromes	Clone names	Vendor	Catalog numbers
Anti-human CD3	PE-Cy7	UCHT1	eBioscience	25-0038
Anti-human CD19	FITC	4G7	BioLegend	392508
Anti-human CD56	PE	TULY56	eBioscience	12-0566
Anti-human CD34	AF700	581	BD Biosciences	561440

Antibodies	Fluorochromes	Clone names	Vendor	Catalog numbers
Anti-human HLA-ABC	FITC	W6/32	eBioscience	11-9983
Anti-human CD80	PE-Cy5	2D10.4	eBioscience	15-0809
Anti-human CD86	PE	IT2.2	eBioscience	12-0869
Anti-human CD83	APC	HB15e	eBioscience	17-0839
Anti-human CD40	APC-H7	5C3	BD Biosciences	561211

Antibodies	Fluorochromes	Clone names	Vendor	Catalog numbers
Anti-human CCR7	FITC	3D12	eBioscience	11-1979
Anti-human CD13	PE	WM-15	eBioscience	12-0138
Anti-human CCR2	PerCP-Cy5.5	K036C2	BioLegend	357204
Anti-human CXCR4 (CD184)	PE-Cy7	12G5	eBioscience	25-9999
Anti-human ICAM-1 (CD54)	APC	HA58	eBioscience	17-0549
Anti-human CD45	AF700	2D1	eBioscience	56-9459

Antibodies	Fluorochromes	Clone names	Vendor	Catalog numbers
Anti-human CCR5	PE	eBioT21/8	eBioscience	12-1957
Anti-human E-Cadherin (CD324)	AF488	DECMA-1	eBioscience	53-3249
Anti-human CD62L	APC-eFluor780	DREG-56	eBioscience	47-0621
Anti-human PD-L1 (CD274)	PE-Cy7	MIH1	eBioscience	25-5983

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Antibodies for stain of regulatory T cells (Treg cells)

Antibodies	Fluorochromes	Clone names	Vendor	Catalog numbers
Anti-human FoxP3 (intracellular)	PE	PCH10	eBioscience	12-4776
Anti-human CD3 (surface)	PE-Cy7	UCHT1	eBioscience	25-0038
Anti-human CD4 (surface)	FITC	OKT4	eBioscience	11-0048
Anti-human CD25 (surface)	APC	BC96	eBioscience	17-0259

Antibodies for stain of Th1(IFN- γ), Th2 (IL-4), and Th17 (IL-17A) cells

Antibodies	Fluorochromes	Clone names	Vendor	Catalog numbers
Anti-human CD3 (surface)	PE-Cy7	UCHT1	eBioscience	25-0038
Anti-human CD4 (surface)	FITC	OKT4	eBioscience	11-0048
Anti-human IFN- γ (intracellular)	Pacific Blue	4S.B3	BioLegend	502522
Anti-human IL-4 (intracellular)	APC-Cy7	MP4-25D2	BioLegend	500834
Anti-human IL-17A(intracellular)	PerCP-Cy5.5	eBio64DEC17	eBioscience	45-7179

Antibodies for intracellular stain of immune suppressive molecules

Antibodies	Fluorochromes	Clone names	Vendor	Catalog numbers
Anti-human iNOS2	FITC	C-11	Santa Cruz Biotechnology	SC-7271
Anti-human IDO	PE	700838	R&D Systems	IC6030P
Anti-human Arginase1	PerCP-Cy5.5	658922	R&D Systems	IC8026C

Antibodies	Fluorochromes	Clone names	Vendor	Catalog numbers
Anti-human MPO	FITC	8E6	eBioscience	11-1299

Antibodies for stain of phosphorylated-(p)Stat1, pStat3, pStat6

Antibodies	Fluorochromes	Clone names	Vendor	Catalog numbers
Anti-human pStat1	AF647	pY701	BD Biosciences	612597
Anti-human pStat3	PE	pY705	BD Biosciences	612569
Anti-human pStat6	PerCP-Cy5.5	pY641	BD Biosciences	561195

Antibodies for stain of phosphorylated-(p)mTOR, pAkt

Antibodies	Fluorochromes	Clone names	Vendor	Catalog numbers
Anti-human pAkt	PE	pS473	BD Biosciences	560378
Anti-human pmTOR	PerCP-eFluor710	MRRBY	eBioscience	46-9718