

Supplemental Table 1

Antibodies used for flow cytometry. AH: anti-human Ms: Mouse. ICAb: isotype control antibody.

Surface antigen	Color	Isotype	Company
CD90	FITC	AH Ms IgG1	BD Biosciences, Heidelberg, Germany
CD73	PE	AH Ms IgG1	BD Biosciences, Heidelberg, Germany
CD105	APC	AH Ms IgG1	BioLegend, San Diego, USA
CD14	FITC	AH Ms IgG2a	BD Biosciences, Heidelberg, Germany
CD34	PE	AH Ms IgG1	BD Biosciences, Heidelberg, Germany
CD45	PerCP	AH Ms IgG2a	Miltenyi Biotec, Bergisch Gladbach, Germany
HLA-ABC	Pacific Blue	AH Ms IgG2a	Biolegend, San Diego, USA
CD146	PE	AH Ms IgG1	BD Biosciences, Heidelberg, Germany
CD19	APC	AH Ms IgG1	Miltenyi Biotec, Bergisch Gladbach, Germany
HLA-DR II	APCCy7	AH Ms IgG2a,	Biolegend, San Diego, USA
CD4	FITC	AH Ms IgG2a	Miltenyi Biotec, Bergisch Gladbach, Germany
Fox P3	PE	AH Ms IgG1	BD Biosciences, Heidelberg, Germany
CD127	PeCy7	AH Ms IgG1	BioLegend San Diego, USA
CD25	APC	AH Ms IgG1	BD Biosciences, Heidelberg, Germany
CD45 RO	PE	AH Ms IgG2a	Biolegend San Diego, USA

CD45 RA	APCH7	AH Ms IgG2b	BD Biosciences, Heidelberg, Germany
CD8	VioBlue	AH Ms IgG2a	Miltenyi Biotec, Bergisch Gladbach, Germany
CD14	FITC	AH Ms IgG2a	BD Biosciences, Heidelberg, Germany
CD19	PE	AH Ms IgG1	Miltenyi Biotec, Bergisch Gladbach, Germany
CD16	PE-Cy7	AH Ms IgG1	BD Biosciences, Heidelberg, Germany
CD56	APC	AH Ms IgG1	Miltenyi Biotec, Bergisch Gladbach, Germany
CD4	APC-Cy7	AH Ms IgG1	BD Biosciences, Heidelberg, Germany
IgG1 I cAb	APC	MS IgG1	Miltenyi Biotec, Bergisch Gladbach, Germany
IgG1 I cAb	APC-Cy7	MS IgG1	BD Biosciences, Heidelberg, Germany
IgG1 I cAb	FITC	MS IgG1	BD Biosciences, Heidelberg, Germany
IgG1 I cAb	PE	MS IgG1	BD Biosciences, Heidelberg, Germany
IgG1 I cAb	PE-Cy7	MS IgG1	BD Biosciences, Heidelberg, Germany
IgG2a I cAb	APC-Cy7	MS IgG2a	BD Biosciences, Heidelberg, Germany
IgG2a I cAb	FITC	MS IgG2a	BD Biosciences, Heidelberg, Germany
IgG2a I cAb	FITC	MS IgG2a	Miltenyi Biotec, Bergisch Gladbach, Germany
IgG2a I cAb	PacificBlue	MS IgG2a	BioLegend, San Diego, CA, USA
IgG2a I cAb	PE	MS IgG2a	Miltenyi Biotec, Bergisch Gladbach, Germany
IgG2a I cAb	PerCP	MS IgG2a	Miltenyi Biotec, Bergisch Gladbach, Germany

IgG2a I cAb	VioBlue	MS IgG2a	Miltenyi Biotec, Bergisch Gladbach, Germany
IgG2b I cAb	APCH7	MS IgG2b	BD Biosciences, Heidelberg, Germany

Supplemental Table 2

Mean cytokine levels in stimulated vs. unstimulated cultures at day 5.

Results are displayed as mean cytokine concentration in pg/ml \pm SD.

<TDL: Results beyond theoretical detection limit of the CBA assay.

	CD4+	CD4+/ BM-MSc	CD4+/ SM-MSc
	unstimulated	unstimulated	unstimulated
IL-2	2.53 \pm 1.23	5.89 \pm 5.01	5.04 \pm 3.36
IL-4	1.12 \pm 0.65 (<TDL)	0.23 \pm 0.52 (<TDL)	0.26 \pm 0.58(<TDL)
IL-6	4.41 \pm 4.1	2644.52 \pm 2522.8	509.81 \pm 333.02
IL-10	2.36 \pm 0.74 (<TDL)	2.01 \pm 0.67 (<TDL)	2.49 \pm 0.73 (<TDL)
IL-17a	3.18 \pm 3.35 (<TDL)	0.76 \pm 1.12 (<TDL)	1.59 \pm 2.37 (<TDL)
TNF α	1.98 \pm 0.86 (<TDL)	1.83 \pm 0.31 (<TDL)	1.51 \pm 0.16 (<TDL)
IFN γ	0.73 \pm 1.05 (<TDL)	0.22 \pm 0.48 (<TDL)	0.61 \pm 0.87 (<TDL)
TGF β	183.72 \pm 73.22	302.73 \pm 93.55	241.56 \pm 80.19
	CD4+	CD4+/ BM-MSc	CD4+/ BM-MSc
	stimulated	stimulated	stimulated
IL-2	8217.73 \pm 4944.97	1573.95 \pm 678.27	1863.89 \pm 659.38
IL-4	29.19 \pm 11.38	20.36 \pm 5.15	20.8 \pm 13.41
IL-6	131.28 \pm 67.94	481503.5 \pm 141513.5	248600.92 \pm 136045.99
IL-10	238.84 \pm 209.37	270.87 \pm 207.46	183.86 \pm 91.79
IL-17a	289.05 \pm 204.44	989.54 \pm 765.43	335.22 \pm 187.96
TNF α	475.54 \pm 300.78	72.03 \pm 28.17	71.04 \pm 30.86
IFN γ	1780.39 \pm 1290.48	1054.12 \pm 866.36	690.62 \pm 413.63
TGF β	194.8 \pm 57.79	356.68 \pm 119.12	271.68 \pm 60.81