

e-Table1

CSF cytokine/chemokine profiles of patients with MOG-IgG+ cases, AQP4-IgG+ NMOSD, MS, and control.

Cytokine/chemokine (pg/ml)		MOG-IgG+	AQP4-IgG+	MS	Control	Detection range
Th1	IFN γ	35.7 \pm 43.9	34.6 \pm 35.3	7.3 \pm 0	7.3 \pm 0	7.3-25422.7
	TNF α	10.2 \pm 11.3	7.5 \pm 5.6	4.2 \pm 0.9	3.9 \pm 0	3.9-65545.9
	IP-10	8994.0 \pm 11177.0	5842.1 \pm 5283.2	4104.5 \pm 4389.2	1333.2 \pm 1815.5	29.9-31576.9
	IL-2	4.2 \pm 4.8	4.0 \pm 5.4	3.2 \pm 1.8	1.2 \pm 0.6	1.0-18945.1
Th2	IL-4	0.5 \pm 0.8	0.5 \pm 0.9	0.3 \pm 0	0.3 \pm 0	0.3-4976.4
	IL-5	2.6 \pm 3.9	1.5 \pm 0.4	1.7 \pm 0.5	1.4 \pm 0	1.4-1360.5
	IL-13	28.0 \pm 56.1	30.8 \pm 38.7	4.9 \pm 2.7	0.4 \pm 0	0.4-8427.3
	Eotaxine	8.3 \pm 2.8	10.2 \pm 7.8	7.7 \pm 0	7.7 \pm 0	7.7-1478.2
Th17	IL-6	1649.3 \pm 3836.2	635.2 \pm 1744.9	8.2 \pm 15.6	2.8 \pm 1.9	2.3-35993.1
	IL-7	6.4 \pm 9.0	7.4 \pm 13.2	1.2 \pm 1.0	0.8 \pm 0	0.8-17706.3
	IL-8	314.7 \pm 584.5	240.2 \pm 272.9	41.9 \pm 22.3	10.3 \pm 5.1	2.5-43211.2
	IL-17A	17.8 \pm 30.0	8.3 \pm 15.0	3.2 \pm 2.1	1.9 \pm 0.8	1.7-28987.1
	G-CSF	550.8 \pm 772.7	70.0 \pm 86.4	38.4 \pm 0	38.4 \pm 0	38.4-9308.0
	GM-CSF	100.4 \pm 80.5	213.5 \pm 200.6	2.9 \pm 9.8	0.7 \pm 0	0.7-12951.9
Treg	IL-10	4.9 \pm 3.6	6.0 \pm 4.0	2.2 \pm 0	2.3 \pm 0.2	2.2-30787.4
Th9	IL-9	4.9 \pm 3.9	3.1 \pm 2.2	2.5 \pm 1.0	1.6 \pm 2.3	1.5-30549.8
Others	IL-18	0.7 \pm 0.9	0.7 \pm 0.8	0.5 \pm 0	0.5 \pm 0	0.5-8360.8
	IL1ra	62.8 \pm 111.2	44.8 \pm 51.2	5.7 \pm 0.6	5.6 \pm 0	5.6-86530.5
	IL-12	3.8 \pm 3.0	3.0 \pm 1.3	2.3 \pm 0	2.3 \pm 0	2.3-37767.3
	IL-15	26.1 \pm 11.5	48.2 \pm 36.0	20.3 \pm 0	20.3 \pm 0	20.3-1283.6
	FGF basic	21.6 \pm 13.0	20.8 \pm 20.5	17.1 \pm 4.4	1.1 \pm 0	1.1-14542.0
	MCP-1	153.2 \pm 108.2	322.2 \pm 310.8	46.8 \pm 21.2	120.3 \pm 63.8	1.5-1512.4
	MIP-1 α	2.0 \pm 2.4	2.5 \pm 2.5	0.3 \pm 0.3	0.2 \pm 0	0.2-943.1
	MIP-18	29.2 \pm 16.5	35.0 \pm 33.3	18.1 \pm 8.8	8.7 \pm 4.8	0.6-656.0
	PDGFbb	4.7 \pm 6.5	1.6 \pm 4.3	0.2 \pm 0	0.2 \pm 0	22.9-24433.8
	RANTES	19.7 \pm 9.9	20.5 \pm 13.7	16.6 \pm 4.1	15.7 \pm 0	15.7-972.6
VEGF	9.7 \pm 12.5	5.1 \pm 9.6	6.1 \pm 3.9	0	1.8-29115.2	

Values indicate mean \pm SD pg/ml

Abbreviations: CSF=cerebrospinal fluid; MOG=myelin oligodendrocyte glycoprotein;

AQP4=aquaporin4; MS=multiple sclerosis; Th=T helper cell; Treg=Regulatory T cells;
IFN=interferon; TNF=tumor necrosis factor; IP=IFN- γ inducible protein;
IL=interleukin; G-CSF=granulocyte colony stimulating factor; GM-CSF=granulocyte
monocyte colony stimulating factor; FGF=fibroblast growth Factor; MCP=monocyte
chemotactic protein; MIP=macrophage inflammatory protein; PDGF-BB= platelet
derived growth factor-BB; RANTES=regulated on activation normal T cell expressed
and secreted; VEGF= vascular endothelial growth factor.