

eTable 1

List of 27 cytokines/ chemokines and growth factors measured by the Bio-Plex system

IL-1 β	IL-10	IFN- γ
IL-1ra	IL-12(p70)	IP-10
IL-2	IL-13	MCP-1(MCAF)
IL-4	IL-15	MIP-1 α
IL-5	IL-17	PDGF-bb
IL-6	Eotaxin	MIP-1 β
IL-7	FGF basic	RANTES
IL-8	G-CSF	TNF- α
IL-9	GM-CSF	VEGF

IL-1ra, IL-1 receptor antagonist; FGF basic, basic fibroblast growth factor; G-CSF, granulocyte colony stimulating factor; GM-CSF, granulocyte-macrophage colony stimulating factor; IP-10, IFN- γ induced protein 10; MCP-1, macrophage chemoattractant protein 1; MIP, macrophage inflammatory protein; PDGF, platelet-derived growth factor; RANTES, Regulated on activation, normal T cell expressed and secreted; TNF, tumor necrosis factor; VEGF, vascular endothelial growth factor.

eTable 2

Expression of IL-6 receptor probes in the whole blood

Probe Name	Gene Name (Gene symbol)	Description	Expression ratio (post-TCZ (12 m) / pre-TCZ)	Expression ratio (pre-TCZ / control)
A_21_P0000171	interleukin 6 receptor (IL6R)	Homo sapiens interleukin 6 receptor (IL6R), transcript variant 3, mRNA [NM_001206866]	0.971	1.497
A_33_P3288844	interleukin 6 receptor (IL6R)	Homo sapiens interleukin 6 receptor (IL6R), transcript variant 1, mRNA [NM_000565]	0.942	1.697

IL-6 receptor expression was upregulated in NMOSD patients (HC vs pre-TCZ NMOSD patients). The expression level was unchanged after TCZ therapy (pre-TCZ vs post-TCZ NMOSD patients).