

Supplementary Tables S1 and S2. Serum and CSF cytokine levels of MS patients separated by treatment response group

Cytokine in serum	GR	PR	p	noRx	p (vs GR, PR)
IFN-γ	6.12 \pm 4.90	4.73 \pm 4.59	0.44	1.22 \pm 1.72	0.03, 0.05
IL-6	7.09 \pm 3.71	5.28 \pm 4.29	0.23	5.89 \pm 1.35	0.38, 0.70
IL-17A	17.32 \pm 12.33	6.67 \pm 8.37	0.03	8.19 \pm 9.64	0.05, 0.81
IL-2	4.34 \pm 2.04	4.65 \pm 3.53	0.77	2.50 \pm 2.04	0.05, 0.13
IL-4	3.33 \pm 3.29	4.04 \pm 2.77	0.57	2.98 \pm 2.15	0.95, 0.37
IL-10	4.81 \pm 4.98	5.75 \pm 8.63	0.54	6.20 \pm 12.45	0.30, 0.66
TNF-α	5.63 \pm 4.59	3.48 \pm 4.13	0.32	1.26 \pm 2.44	0.05, 0.29
TGF-β1	40,094 \pm 12,414	38,496 \pm 10,017	0.77	35,858 \pm 12,660	0.42, 0.67

Cytokine in CSF	GR	PR	p	noRx	p (vs GR, PR)
IFN-γ	3.56 \pm 5.52	4.80 \pm 7.19	0.90	4.57 \pm 5.48	0.32, 0.30
IL-6	5.56 \pm 6.64	5.99 \pm 4.22	0.46	6.47 \pm 4.10	0.30, 0.80
IL-17A	8.33 \pm 12.20	14.48 \pm 18.42	0.48	17.02 \pm 16.38	0.17, 0.63
IL-2	1.13 \pm 1.91	2.49 \pm 3.34	0.30	2.30 \pm 1.72	0.06, 0.66
IL-4	2.24 \pm 2.67	2.30 \pm 2.01	0.63	2.81 \pm 2.82	0.71, 0.64
IL-10	2.30 \pm 4.17	4.49 \pm 6.61	0.67	2.92 \pm 1.66	0.06, 0.58
TNF-α	2.62 \pm 3.53	2.39 \pm 3.53	0.83	5.25 \pm 4.95	0.19, 0.28
TGF-β1	79.37 \pm 20.18	67.29 \pm 48.87	0.25	67.43 \pm 31.44	0.47, 0.79

Data are given as mean \pm SD; cytokines were measured in pg/ml; numbers in bold denote statistical significance.

Supplementary Tables S3 and S4. Serum and CSF cytokine ratios in MS patients separated by treatment response group

Serum cytokine ratios	GR	PR	p	noRx	p (vs GR, PR)
Th1/Th2	2.53± 1.35	1.89 ± 1.22	0.26	1.45 ± 0.90	0.05 , 0.68
Th1/Th17	0.71 ± 0.29	1.24 ± 0.86	0.05	0.89 ± 0.87	0.88, 0.24
Type 1^a/Type 2	3.05 ± 1.27	2.02 ± 1.64	0.07	1.63 ± 0.84	0.01 , 0.54
Type 1^b/Type 2	2.69 ± 1.19	1.54 ± 1.63	0.07	1.39 ± 0.93	0.03 , 0.53
IFN-γ/IL-10	1.55 ± 0.65	1.03 ± 0.73	0.02	0.68 ± 0.45	0.01 , 0.36
IL-17A/IL-10	4.14 ± 1.95	1.94 ± 1.52	0.01	2.40 ± 1.64	0.05 , 0.55
Th17/Th2	3.78 ± 2.21	1.77 ± 1.49	0.03	2.62 ± 2.19	0.36, 0.41
CSF cytokine ratios	GR	PR	p	noRx	p (vs GR, PR)
Th1/Th2	2.37 ± 1.58	2.36 ± 1.43	0.92	2.55 ± 0.66	0.23, 0.75
Th1/Th17	0.81 ± 0.40	0.65 ± 0.49	0.33	1.36 ± 1.46	0.88, 0.28
Type 1^a/Type 2	2.93 ± 1.51	2.67 ± 1.66	0.67	3.82 ± 1.56	0.20, 0.14
Type 1^b/Type 2	2.55 ± 1.35	3.55 ± 3.90	0.91	3.63 ± 1.42	0.21, 0.36
IFN-γ/IL-10	1.75 ± 1.39	1.30 ± 1.22	0.27	1.42 ± 1.10	0.58, 0.86
IL-17A/IL-10	4.06 ± 2.67	2.98 ± 2.31	0.29	4.77 ± 3.03	0.47, 0.18
Th17/Th2	2.25 ± 2.00	4.21 ± 3.69	0.16	3.59 ± 2.23	0.10, 0.96

Data are given as mean ± SD; ^aIL-2 values included; ^bIL-2 values omitted; numbers in bold denote statistical significance.