Supplementary figure 1. Intracellular cytokine and chemokine gating examples

(A-D) Dot plot gating examples of intracellular cytokine and chemokine staining of Tfh cells: IFN-γ (A), IL-17 (B), IL-4 (C), and CXCL10 (D); the upper panel shows unstimulated cells, and the lower panel show cells stimulated for 30 minutes with anti-CD3/CD28 beads.

Supplementary figure 2. Absolute Tfh and Tfr counts in blood

(A-C) Absolute counts of CD25- Tfh cells and PD-1+ CD25- Tfh cells (A), CD25int Tfh cells and PD-1+ CD25int Tfh cells (B), and Tfr cells and PD-1+ Tfr cells (C) in blood from patients with RRMS, PPMS, symptomatic controls (SC) and healthy controls (HC). The mean value is shown for all groups analyzed. *** p < 0.0001; ** p < 0.005; * p < 0.05.

Supplementary figure 3. Tfh and Tfr cells in the CSF and blood from healthy controls

(A-C) The prevalence of CD25- Tfh cells and PD-1+ CD25- Tfh cells (A), CD25int Tfh cells and PD-1+ CD25int Tfh cells (B), and Tfr cells and PD-1+ Tfr cells (C) in blood and CSF from healthy controls. The mean value is shown for all groups analyzed. *** p < 0.0001; ** p < 0.005; * p < 0.05.