**eFigure 2**

(A) The frequency of memory CD8+ T cells in the peripheral blood. (B) The frequency of memory CD4+ T cells in the peripheral blood. (C) The frequency of memory CD8+ T cells in the CSF. (D) The frequency of memory CD4+ T cells in the CSF. HC: healthy control; MS: multiple sclerosis; RRMS: relapsing-remitting MS; SPMS: secondary progressive MS; NMOSD: neuromyelitis optica spectrum disorder; CSF: cerebrospinal fluid; PD: Parkinson’s disease; AD: Alzheimer’s disease; ALS: amyotrophic lateral sclerosis.

**Peripheral blood**

**CSF**