Supplementary figure 1

Regulatory T cells accumulate in the CNS only in response to i.c. injections. Intracerebral injections of PBS and DC\textsubscript{MOG} and systemic injection of DC\textsubscript{MOG} (i.v.) were used to track T\textsubscript{reg} cell population in DEREG mice based on GFP expression on CD4\textsuperscript{+} T cells. Five days post injection mononuclear cells were isolated from the brain, CLN and spleen and directly analyzed by flow cytometry. Results are representative of two independent experiments.

Supplementary figure 2

Intracerebral DC\textsubscript{MOG} injection induces a stronger demyelination and enhanced cellular infiltration in comparison to i.c. PBS and i.c. DC\textsubscript{OVA}-injected animals. Mononuclear cellular infiltrates associated with demyelination (LFB) (upper panel) and H&E stains (lower panel) in optic nerves taken from EAE mice with EAE scores of 2 or higher at the peak of EAE (day 17). Red squares indicate higher magnifications of indicated area. Visible sites of infiltration (arrows) and demyelination (asterisks) in the optic nerve tissue are shown.