



Supplementary information, Figure S9. IL-7R α neutralization attenuates GM-CSF expression and ameliorates EAE. **(A)** Clinical scores of EAE mice (n=5) treated with anti-IL-7R α or normal IgG given every other day from day 5 after 2nd immunization, as indicated by arrows. Data represent two independent experiments. **(B)** Spinal cord sections were obtained from EAE mice at day 11 after 2nd immunization. Immune cell infiltration was assessed histologically. Images shown are representative of three individuals per group. Scale bars, 200 μ m (top), 50 μ m (bottom). **(C)** The percentages of CD4⁺ and CD8⁺ T cells in spleens of EAE mice. Data represent two independent experiments. **(D and E)** The frequencies of GM-CSF⁺, IL-17⁺ and IFN- γ ⁺ cells among CD4⁺ T cells in the CNS of EAE mice receiving different treatment at peak of disease. Data in **E** were pooled from two independent experiments. **(F)** CNS tissues were collected from EAE mice for RNA extraction at peak of disease. The mRNA expression of IFN- γ , IL-17 and GM-CSF in the CNS was measured by RT-PCR. * p <0.05, ns, not significant.