



Supplementary Figure 3. Normal activation and cytokine expression of 2D2-HDAC1^{ckO} CD4⁺ T cells upon EAE induction. (a) Flow cytometry analysis of splenocytes from 2D2-WT and 2D2-HDAC1^{ckO} mice on day 15 following EAE induction. Contour plots show expression of CD62L and CD44 in CD4⁺V β 11⁺ cells compared to non-immunized controls. (b) Dot plots show summary of CD62L single positive, CD62L⁺CD44⁺ double positive and CD44 single positive CD4⁺V β 11⁺ cells compared to non-immunized controls. (c) Contour plots depict IL-17A, IFN γ , IL-2, GM-CSF and TNF α expression of CD4⁺V β 11⁺CD44⁺ cells from 2D2-WT and 2D2-HDAC1^{ckO} splenocytes on day 15 upon ex vivo PMA/Ionomycin stimulation compared to non-immunized controls. (d) Dot plots show summary of IL-17A, IFN γ , IL-2, GM-CSF and TNF α expression of CD4⁺V β 11⁺CD44⁺ cells from 2D2-WT and 2D2-HDAC1^{ckO} splenocytes. Horizontal bars indicate the mean. *p < 0.05, **p < 0.01, ****p < 0.0001 (unpaired two-tailed student's t-test). Data are representative (a,c) or show summary of 10 (b,d) mice per group (except controls with 4-6 mice per group) analyzed in 2 (b,d) independent experiments.