



**Supplementary Figure 2. Adoptively transferred naïve 2D2-HDAC1<sup>ΔKO</sup> CD4<sup>+</sup> T cells are expanding at normal frequencies following MOG<sub>35-55</sub> peptide/CFA stimulation.** (a) Naïve 2D2-WT or 2D2-HDAC1<sup>ΔKO</sup> CD4<sup>+</sup> T cells (CD45.1-CD45.2<sup>+</sup>) were transferred into CD45.1<sup>+</sup>CD45.2<sup>+</sup> recipient mice which were immunized with MOG<sub>35-55</sub> peptide/CFA on the next day. Four days later CD45.2<sup>+</sup>Vα3.2<sup>+</sup> 2D2 T cells within draining lymph nodes (dLN), spleen and peripheral lymph nodes (pLN) were analyzed. (b) Summary graphs show numbers (upper panels) and percentages (lower panels) of recovered CD45.2<sup>+</sup>Vα3.2<sup>+</sup> 2D2 T cells within the respective organs. Controls are transferred naïve 2D2-WT or 2D2-HDAC1<sup>ΔKO</sup> CD4<sup>+</sup> T cells isolated from recipient mice that were immunized with PBS/CFA. (c) Representative histograms show cell surface expression of CD62L, CD44, CD25 and CD69 on recovered CD45.2<sup>+</sup>Vα3.2<sup>+</sup> 2D2 T cells from dLN. (d) Summary graphs show percentages of cell surface markers CD62L, CD44, CD25 and CD69 on CD45.2<sup>+</sup>Vα3.2<sup>+</sup> 2D2 T cells recovered from dLN, spleens and pLN. Horizontal bars indicate the mean. \*p < 0.05, \*\*p < 0.01 (unpaired two-tailed student's t-test). Data are representative (c) or show a summary of 12 (b,d) mice per group (except controls with 3 mice per group) analyzed in 3 (b,d) independent experiments.