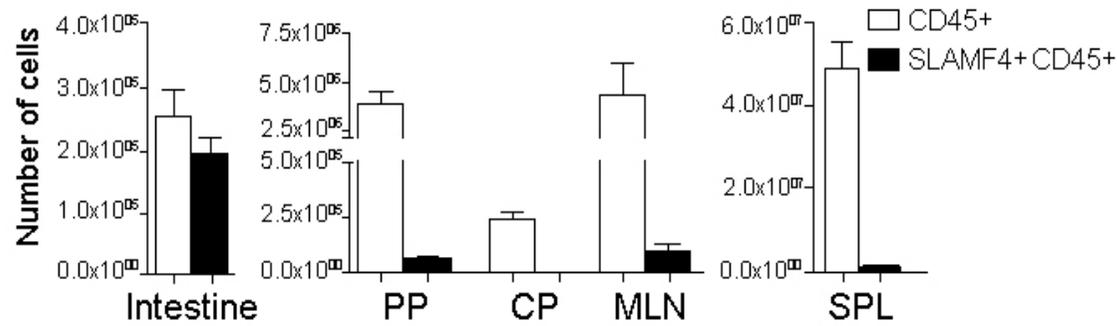
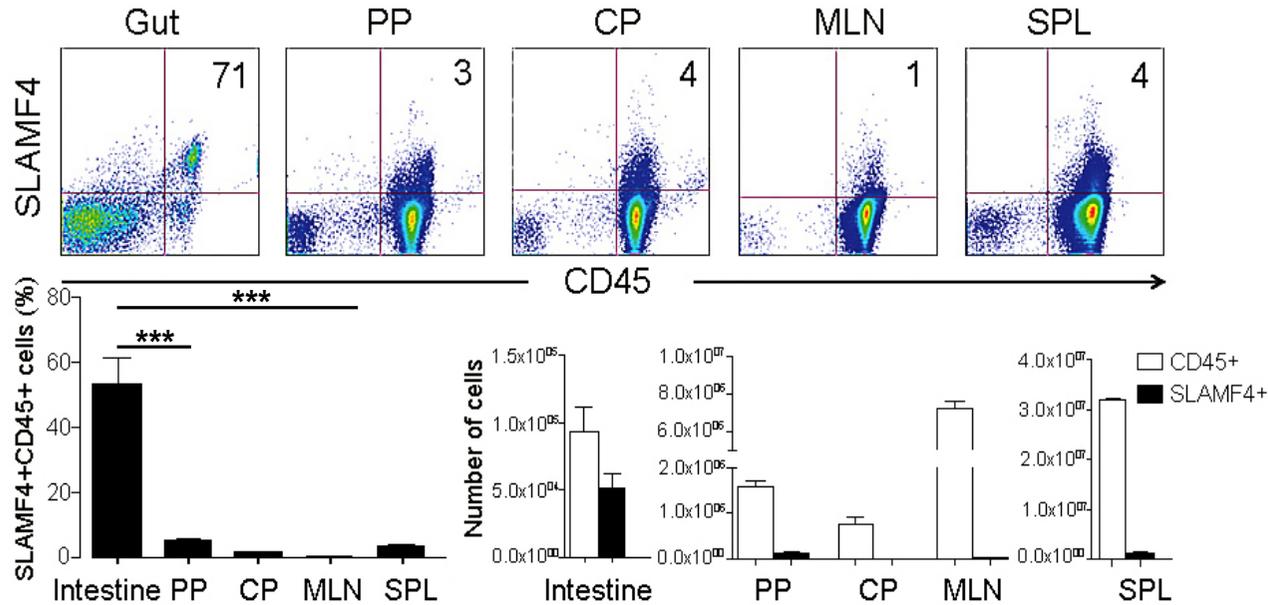


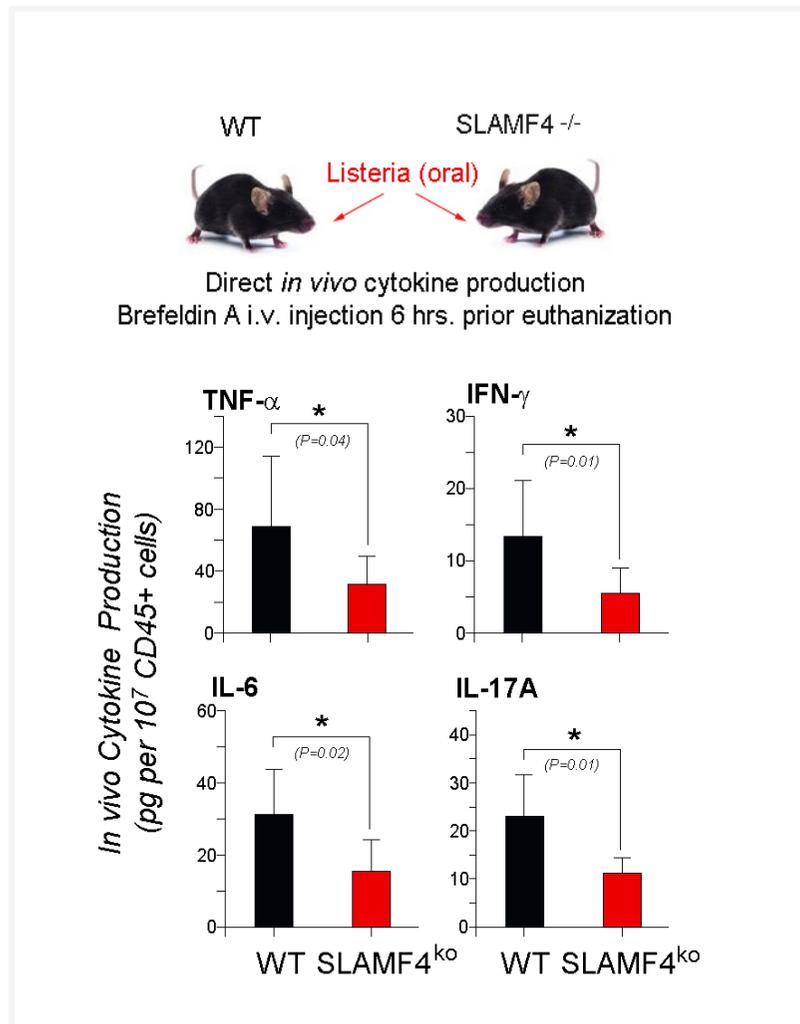
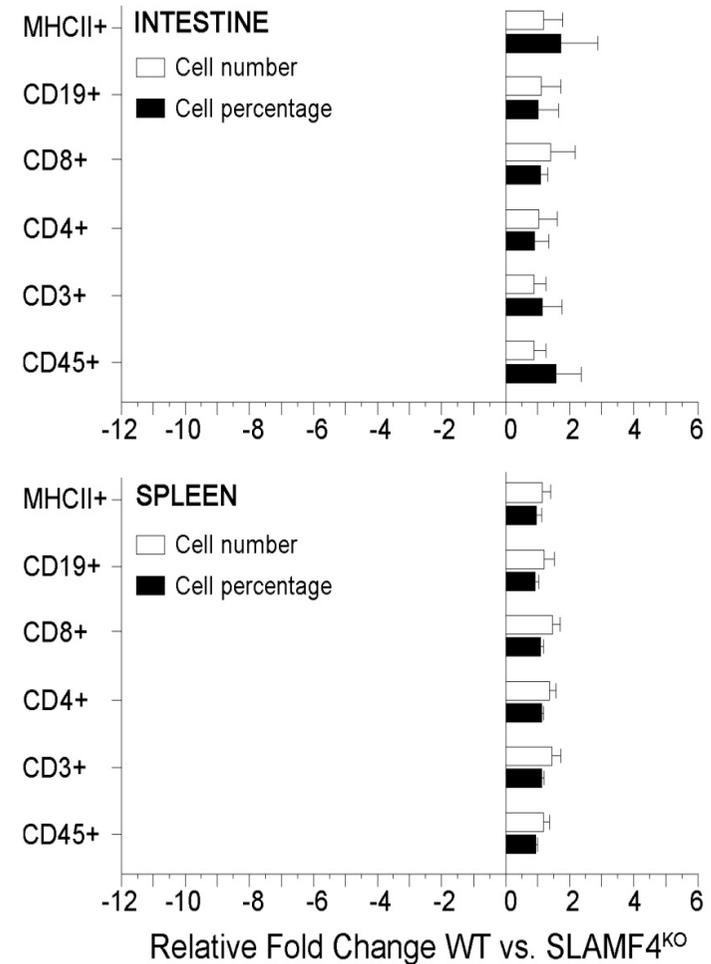
a. Mouse strain: C57BL/6



b. Mouse strain: BALB/c



Supplemental Figure 1. SLAMF4 is a marker of CD45+ immune cells of the intestinal mucosa. (a) Most hematopoietic derived-cells in the gut mucosa, but not the Peyer's patch (PP), cecal patch (CP), mesenteric lymph nodes (MLN), or spleen (SPL) of C57BL-6 mice express SLAMF4 ($n=8-20$). Data are shown as means of total numbers of SLAMF4+CD45+ cells \pm s.e.m. Error bars represent s.e.m. **(b)** CD45+ cells in the gut mucosa, but not in other tissues of BALB/c mice express SLAMF4. Numbers indicate the % CD45+ cells that are SLAMF4+. Below, data are shown as means of % of CD45+ and total numbers of SLAMF4+CD45+ cells \pm s.e.m. Error bars represent s.e.m. Data are from 3 experiments using 2 mice per experiment.

a**b**

Supplemental Figure 8. Characterization of SLAMF4^{ko} mice. (a) Direct *in vivo* cytokine production in the gut mucosa following Lm infection was assessed as described in [53]. Briefly, Brefeldin-A (250 μ g) was injected *i.v.* into mice 4.5 days post Lm-infection, and 6 hours later, mice were euthanized. Single CD45+ cell suspensions isolated from pooled IEL and LP cells were homogenized. The supernatants were used to assess cytokine production using BD multiplex bead-based immunoassays (BD Bioscience). Data are shown as means of pgs of produced cytokine per 10⁷ gut CD45+ cells \pm SD. Error bars represent SD. Data are from 2 experiment using 4 mice per group per experiment. (b) Immune cell composition was assessed by flow cytometry using age- and sex-matched groups of cohoused SLAMF4^{ko} mice and WT littermates. Splenocytes and gut mucosal cell preparations (IEL+LP) were made from each strain, stained for CD45, CD3, CD4, CD8, CD19, and MHC-II and analyzed by flow cytometry. Data are shown as means of % and total number of each cell type \pm SD. Error bars represent SD. Data are from 3 experiments using 2 to 4 mice per group per experiment. A 2-tailed Student's *t* test distribution with paired groups (WT vs. SLAMF4^{ko}) was evaluated for statistical significance. * $P < 0.05$ was considered significant.