

Figure S1. Expression of CCR6 and CCR10 ligands in inflamed epithelia of

tonsil, and psoriatic and viral skin lesions and colocalization with pDC

Immunohistochemical stainings on 6 μm acetone fixed sections of tonsils, psoriatic skin, and biopsies of *verrucae vulgaris* showing CCL20 (A, C, and D) and CCL27 (B, D, and F) (red) in epithelial sites together with CD123⁺ pDC (blue) at the magnification x 20. In the insert box, the magnification is x 40 and these stainings are representative of 3 independent patients.

Figure S2. Analysis of immune cell infiltrate in B16 tumors in WT and

CCR6-deficient mice

(A) Shown are the percentages of CD45⁺ cells infiltrating B16 tumors treated with vehicle or aldera cream in B6 mice. Symbols represent individual mice (n = 7-8); bars show mean values. (B) Gating strategy to identify pDC as CD11c⁺ CD11b⁻ B220⁺ BST2⁺ among CD45-MACS sorted immune cells from aldera-treated B16 tumors in B6 mice. Percentages of gated populations are indicated. (C) Shown are numbers of CD45⁺ and (D) CD11c⁺ cells among total viable tumor cells between WT animals and CCR6-deficient animals treated with Aldara (n = 9 animals). Symbols represent individual mice (n = 9); bars show mean values. Statistical significance was obtained with a non-parametric Wilcoxon test.

Figure S3. Distribution of pDC in lymphoid tissues

Shown are the percentages (upper panels) and numbers (lower panels) of pDC isolated from the liver, lymph node, spleen, and bone marrow from B6 (white circles) and CCR6-deficient (black circles) mice. Circles represent individual mice (n = 9); bars show mean values. Statistical significance was obtained with a non-parametric Wilcoxon test.

Figure S4. Time course of CCR6 and CCR10 expression induced on human blood pDC upon IL-3 culture

CCR6 and CCR10 were measured on freshly isolated blood pDC and after 16 h, 24 h, 48 h, and 96 h of culture in the presence of IL-3. The percentage of the positive cell populations is indicated. Data are representative of 3 independent experiments.

Figure S5. Time course of CCR7 and CCR10 expression and responsiveness induced on human blood pDC upon IL-3±CpG-B culture

(A) CCR7 and CCR10 expression and (B) migratory capacities to CCL19 and CCL28 (1 µg/ml) were measured on freshly isolated, IL-3, and IL-3+CpG-B-treated blood pDC at various times after culture by flow cytometry and transwell assay respectively. Percentages of positive cells are indicated in each dot plot (data are representative of 3 independent experiments) and pDC migration is depicted as migration index (mean ± SD for 6 to 10 independent experiments).

Figure S1

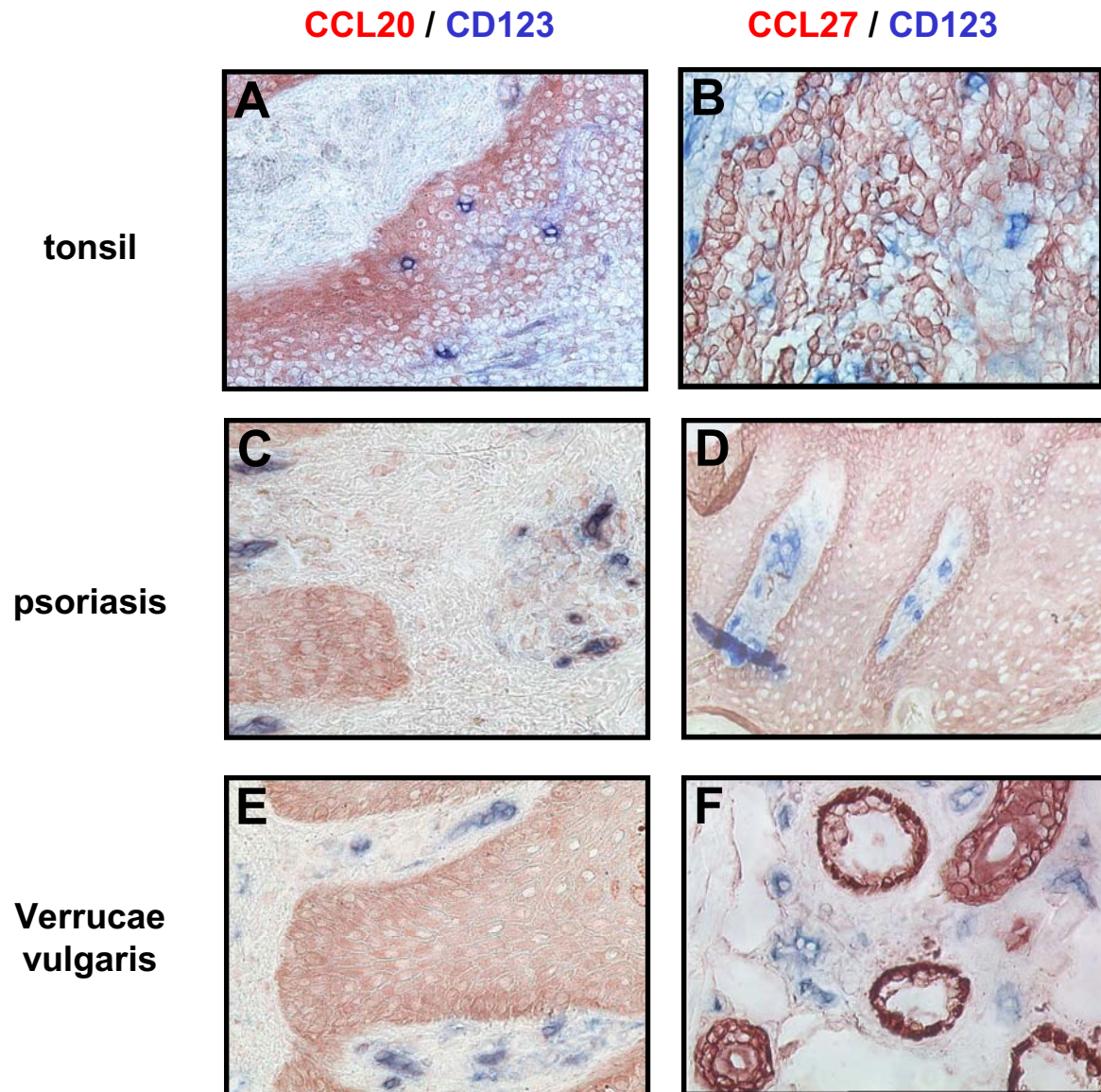


Figure S2

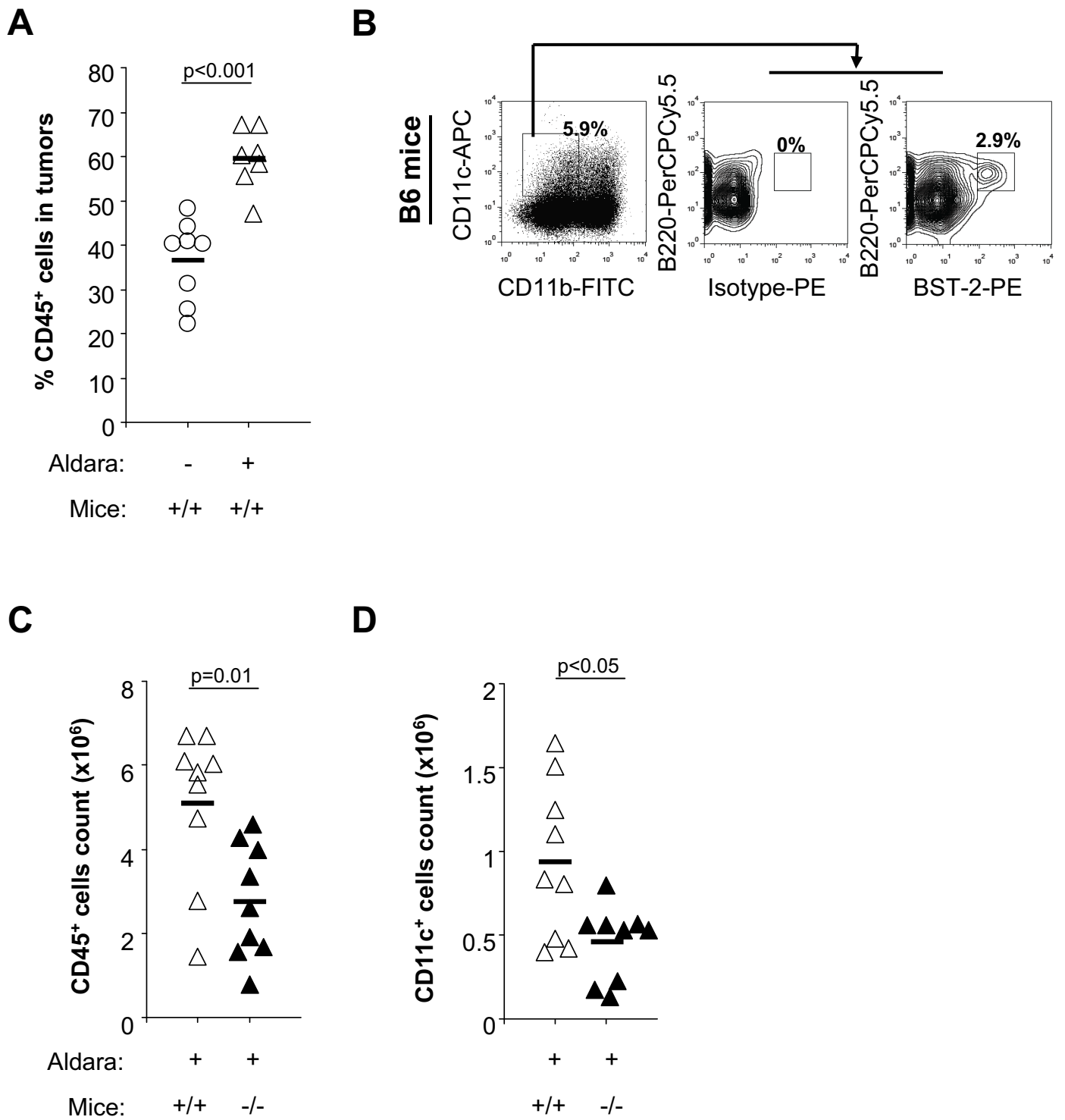


Figure S3

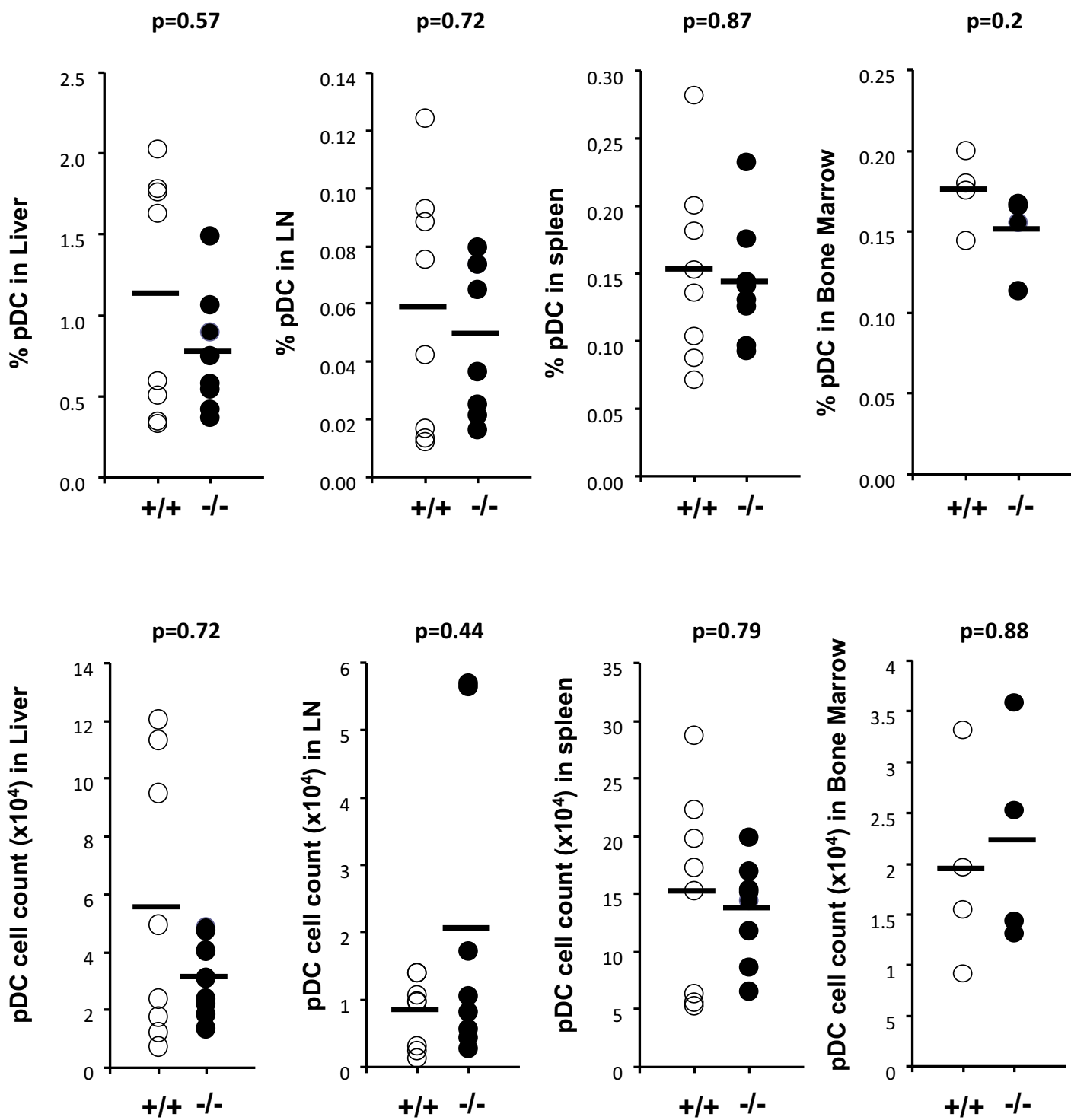


Figure S4

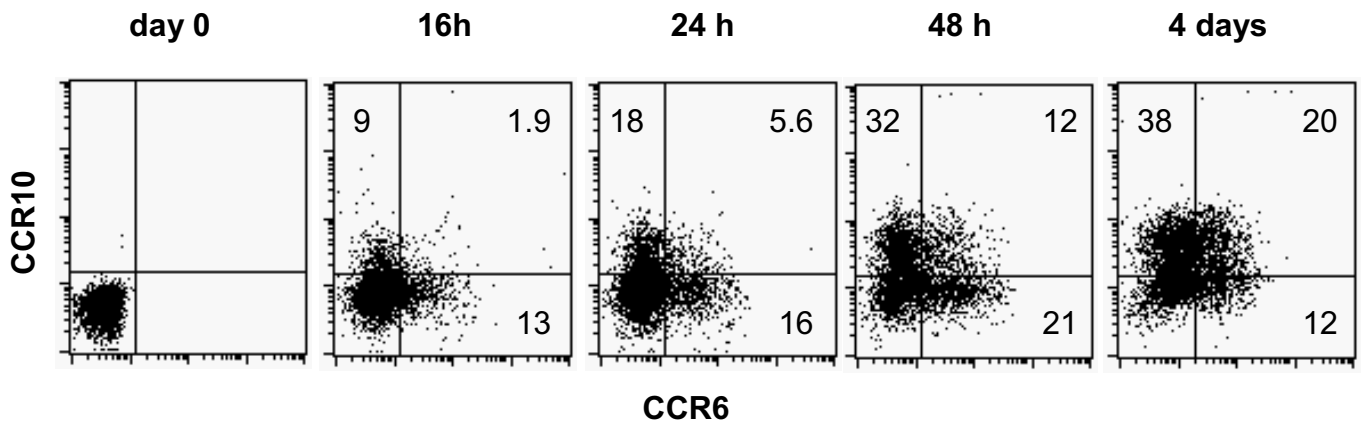
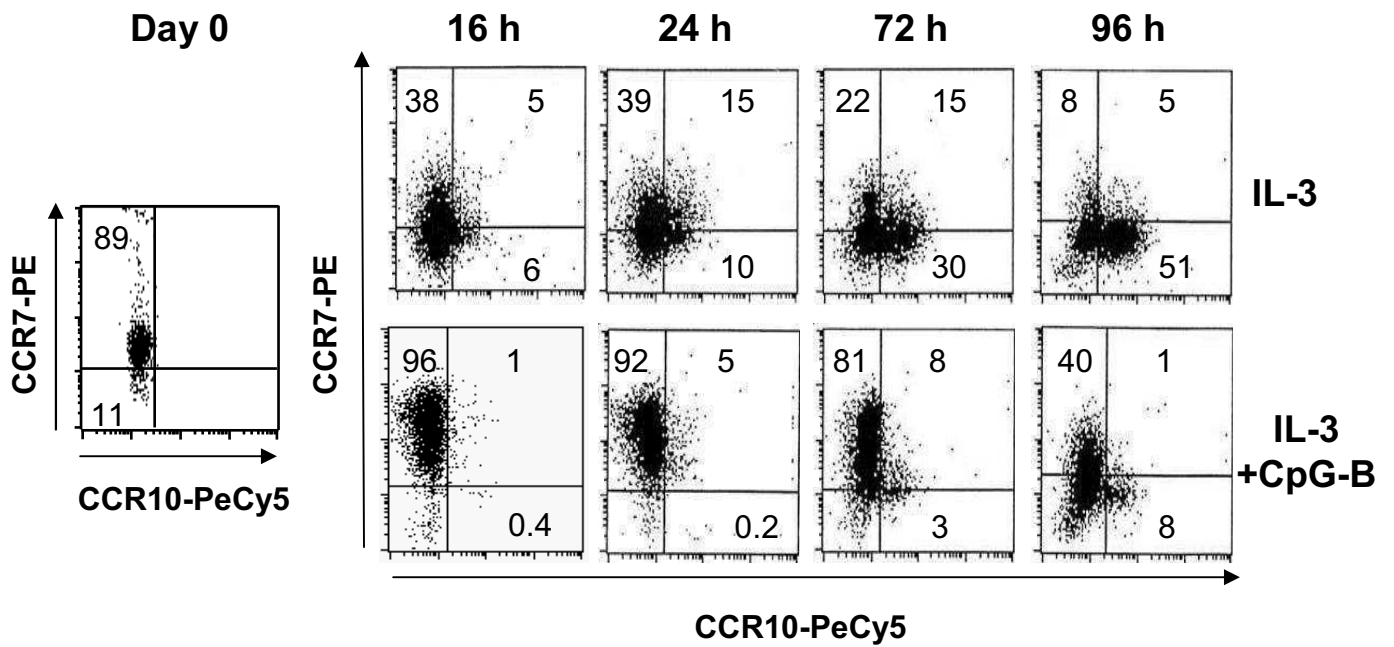


Figure S5

A



B

