

LEGENDS TO ONLINE REPOSITORY FIGURES

Figure E1. CD3⁺ T cells are unnecessary for the type 2 immune response to IL-25.

Intact PBMCs (Intact) or PBMCs from which CD3⁺ cells had been magnetically depleted (CD3-depleted) were cultured with medium, IL-25 (10 ng/ml) alone, IL-2 (20 U/ml) alone, or IL-2 plus IL-25 for 5 days. IL-5 and IL-13 levels in cell-free supernatants were determined using ELISA. Data are the mean \pm SEM of 2-5 independent experiments.

Figure E2. Blood ILC2s express the IL-33 receptor ST2 and respond to IL-33 in vitro.

(A) Gating strategy to identify ILC2s in PBMCs. In the histogram, anti-human ST2 staining (black line) and isotype control antibody staining (filled grey) are shown. (B) PBMCs were cultured with medium alone or with IL-33 (10 ng/ml) plus IL-2 (20 U/ml) for 4 days. Brefeldin A was added for the last 12 hours. (Top panels) Gating strategy for ILC2 identification. (Bottom panels) Intracellular IL-5 staining in ILC2s cultured with medium alone (left panel, red line) or with IL-33 plus IL-2 (right panel, blue line) is shown. Grey filled histograms depict isotype control staining for each culture condition.

Figure E3. Blood ILC2s from healthy control subjects and allergic asthma subjects express comparable levels of ST2.

PBMCs from the two subject groups were gated as described in Figure E2, and ST2 expression was analyzed. In the histogram, anti-human ST2 staining is indicated by the blue line, and isotype control staining is depicted by the filled grey area. Representative data from 3 healthy control subjects and 3 allergic

asthma subjects are shown.

ACCEPTED MANUSCRIPT

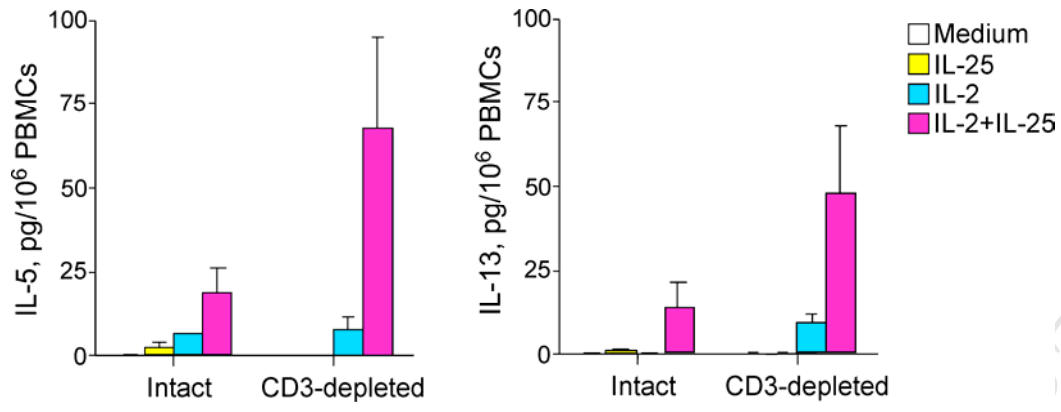


Figure E1

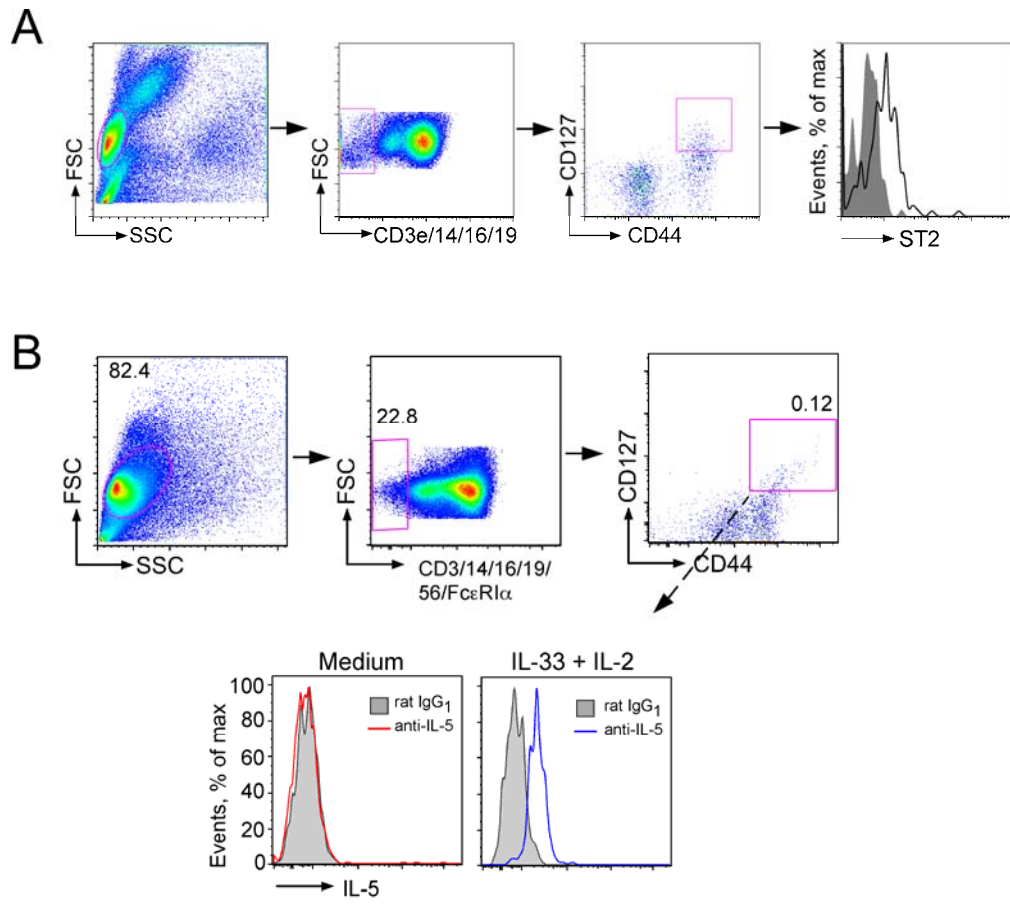


Figure E2

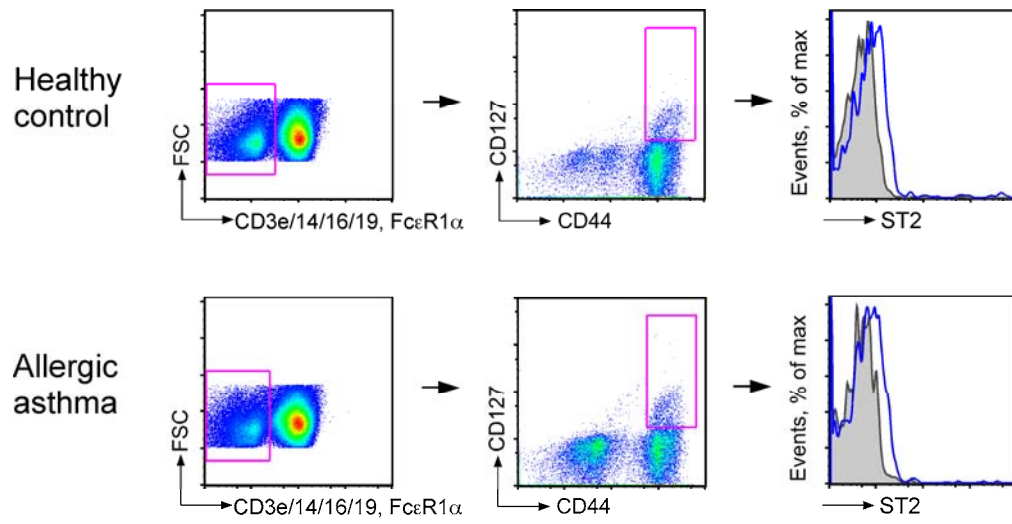


Figure E3