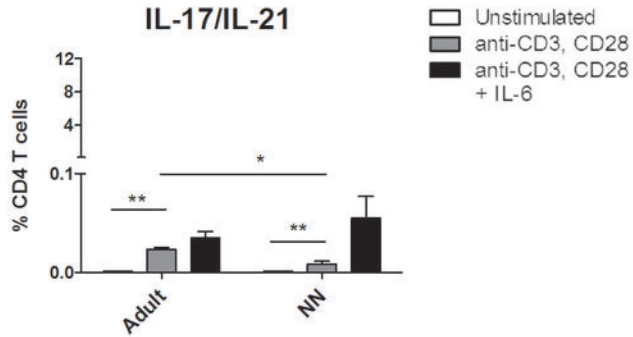
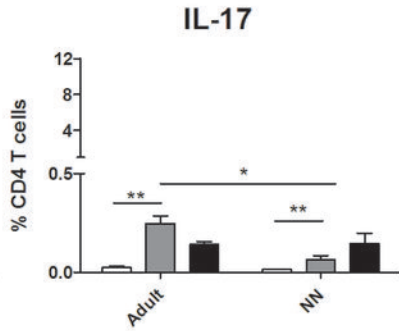
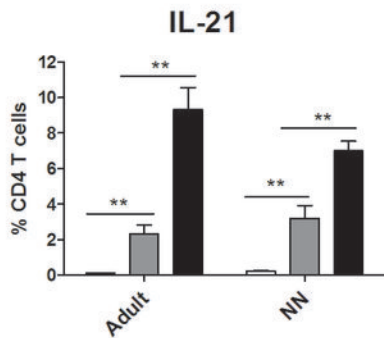


## SUPPLEMENTARY FIGURE LEGENDS

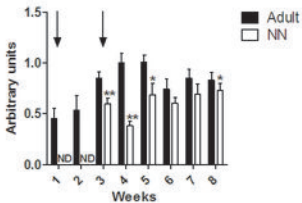
Figure S1. Intracellular staining of IL-21 and IL-17A in T cells. CD4<sup>+</sup> T cells isolated from spleens of 8-week-old (pool of 4) adult and 7-day-old neonatal mice (pool of 20) were stimulated with anti-CD3 and anti-CD28 mAb in the presence or absence of IL-6. Results are expressed as percentages of cytokine-producing cells among CD4<sup>+</sup> T cells. Data are mean values  $\pm$  SEM collected from 3 independent experiments each performed with triplicate culture of pooled groups of 4 adult and 20 neonatal mice. \*\* p<0.005, \* p<0.05.

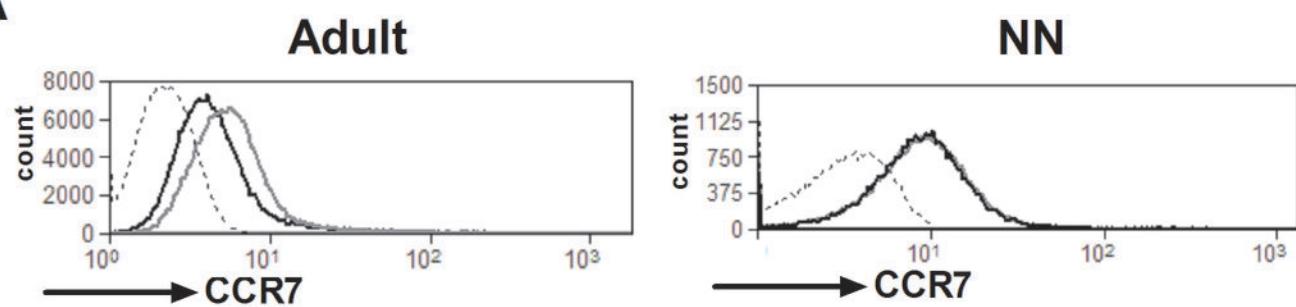
Figure S2. Neonatal IgE display low affinity. 8-week-old (n=5) and 7-day-old (n=6) mice were immunized with NP-KLH and Alum. Affinity maturation of NP-KLH-specific IgE was evaluated by ELISA using different concentrations of NP conjugates. Data were collected from 2 independent experiments. \*\* p<0.005, \* p<0.05.

Figure S3. CCR7 and PSGL-1 expression on neonatal CD4<sup>+</sup> cells. A. Representative histograms show CCR7 expression in CD4<sup>+</sup> CD19<sup>-</sup> mLN cells from 8-week-old adult and 7-day-old neonatal immunized mice on day 7 post-immunization. B. Representative dot plots of CD4<sup>+</sup> CD19<sup>-</sup> CXCR5<sup>+</sup> CCR7<sup>+</sup> or PSGL-1 T<sub>FH</sub> cells in mLN from 8-week-old adult and 7-day-old neonatal immunized mice on day 7 post-immunization. Values indicated % of CXCR5<sup>+</sup> cells among CD4<sup>+</sup> CD19<sup>-</sup> cells. Groups contained 4-7 mice.



## Affinity maturation of IgE



**A****B**