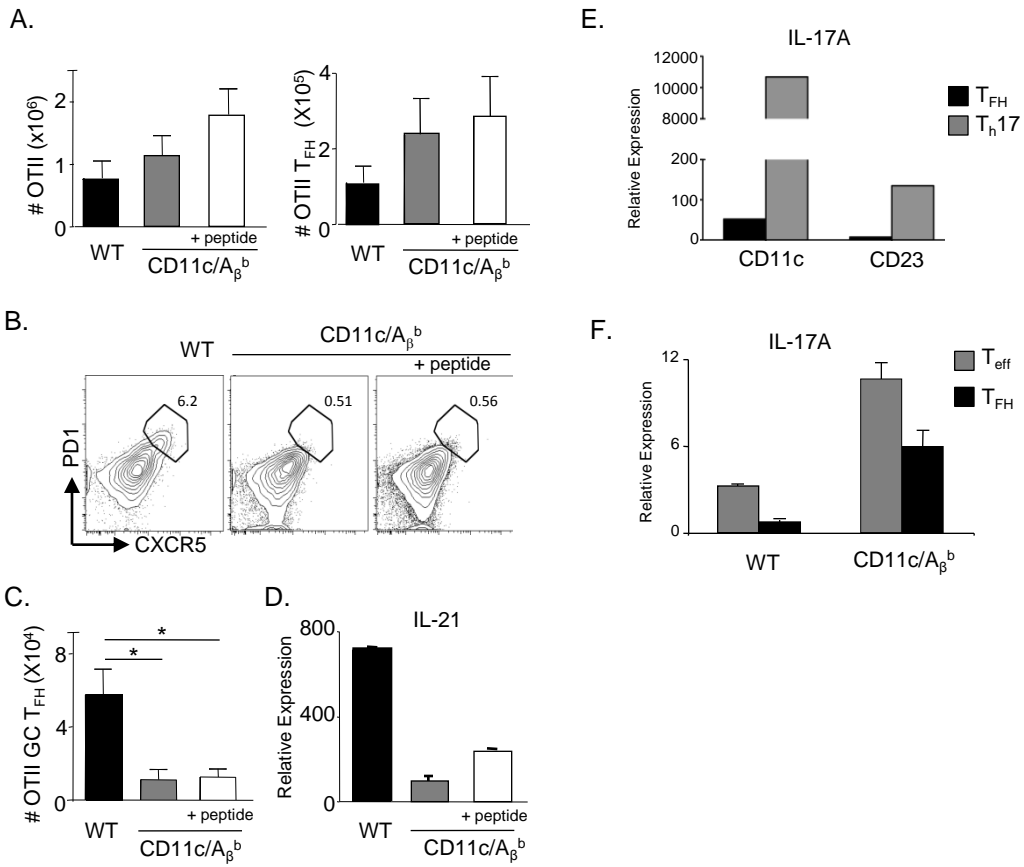


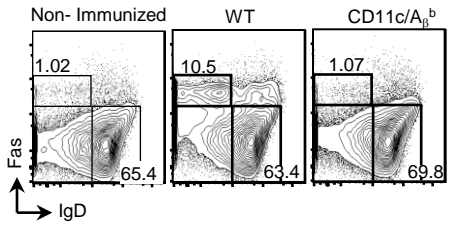
FIGURE LEGENDS

Supplemental Figure 1. Sustained antigen presentation by conventional DCs is not sufficient to induce GC T_{FH} formation. 10⁵ CD90.1⁺ OTII T cells were transferred into either WT or CD11c/A_β^b mice and next day the mice were immunized with NP-OVA/alum. On day 3, some mice were administered 10 μg OVA peptide i.v. or left untreated and analyzed at day 7 p.i.. (A) Total number of OTII and OTII T_{FH} present in immunized WT or CD11c/A_β^b recipients (n=3-4 mice). (B) Representative FACS gating strategy to identify PD1^{hi}CXCR5⁺ within activated OTII T_{FH} (C) The numbers of GC T_{FH} (n=3-4, 2 independent experiments). (D) Expression of IL-21 transcript in FACS sorted OT-II T_{FH} compared to levels found in naïve T cells. Results are representative of 2 independent experiments. (E) Expression of IL-17A transcript in OTII polarized towards T_{FH} or Th17 relative to naïve OTII using β-actin as an endogenous control. (F) Expression of IL-17A transcript in FACS sorted OT-II T_{FH} or T_{eff} (CD90.1⁺CD62L^{lo}CXCR5^{lo/neg}) compared to levels found in naïve T cells. * denotes statistical significance of 0.01 < p < 0.05 in a two-tailed t test at α=0.05

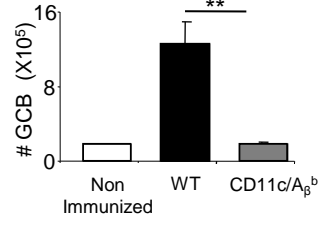
Supplemental Figure 2. Impaired GC formation in the absence of B cell antigen presentation. 10⁶ OTII T cells were transferred into WT and CD11c/A_β^b mice and mice were immunized with NP-OVA/alum. (A) Representative FACS gating strategy to identify splenic GC B cells as CD19⁺ IgD⁻ Fas⁺ cells. (B) The total number of GC B cells in WT or CD11c/A_β^b at d7 p.i. or non-immunized WT mice. (n=4-5 mice, representative of >5 Experiments) (C) Total number of IgM and IgG1 Antibody Secreting Cells (ASCs) present in immunized WT or CD11c/A_β^b recipients on d7 p.i. or in control non-immunized WT mice (n=4-5 mice, representative of 3 Experiments), enumerated via ELISPOT.



A.



B.



C.

