Supporting Information

Leavenworth et al. 10.1073/pnas.1112188108

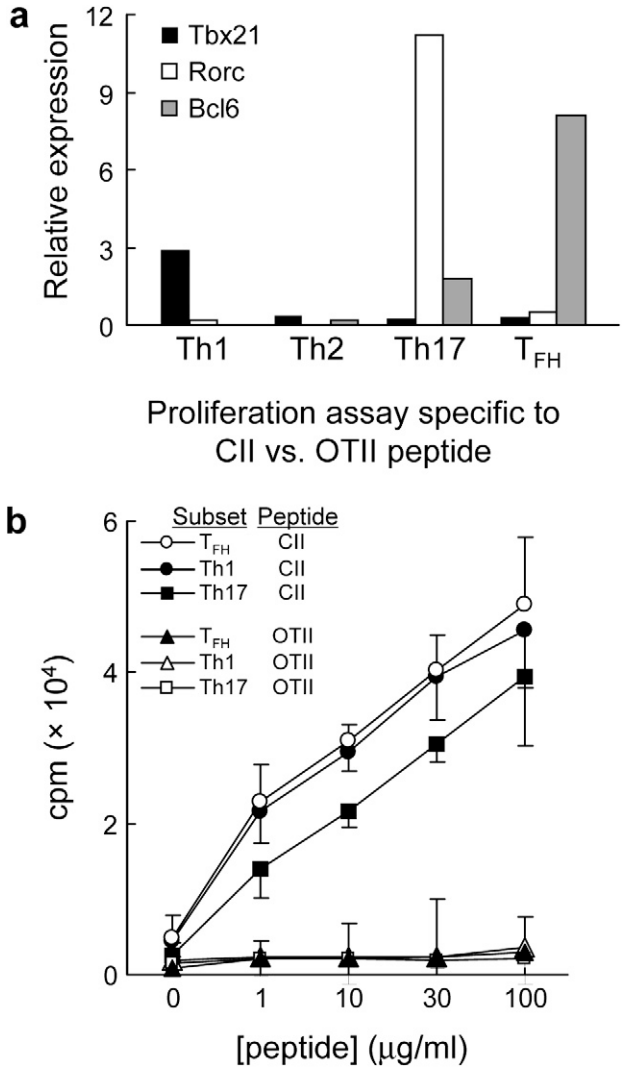

Fig. S1. Generation of type II collagen (CII)-specific T helper (T_H) subsets. (*A*) Levels of mRNA *Tbx21*, *Rorc*, and *Bcl6* mRNA were measured by quantitative RT-PCR to define T_H subsets generated in vitro. (*B*) Specificity of T_H subsets for CII. In vitro-generated T_H subsets were incubated with different concentrations of chicken CII or OTII peptide for 48 h and pulsed with ^{3}H-thymidine for the last 18 h before proliferation assays were performed.

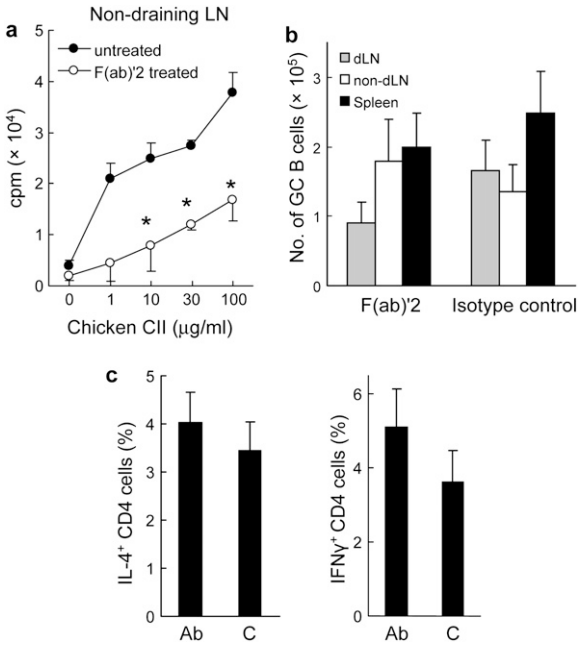

Fig. S2. Administration of anti-NKG2A F(ab)′2 and CIA. (*A*) Nondraining lymph node (nondLN) cells from treated or untreated mice (Fig. 4) were incubated with different concentrations of chicken CII for 48 h and pulsed with ^{3}H-thymidine for the last 18 h before proliferation assays were performed. (*B*) Numbers of GC B cells ($IgM^{+}Fas^{+}B220^{+}$) from each organ (Fig. 4) are shown; no significant differences between isotype control and 20d5 F(ab)′2 treated groups. (*C*) Levels of intracellular IL-4 and IFN-γ in $CD4^{+}$ T cells from nondLNs (Fig. 4) are shown. No significant differences in IL-4 and IFN-γ levels were observed between isotype control and 20d5 F(ab)′2 treated groups. $n = 5$ (isotype control) and $n = 4$ [F(ab)′2]; Student's' t test: $^{*}P < 0.05$.

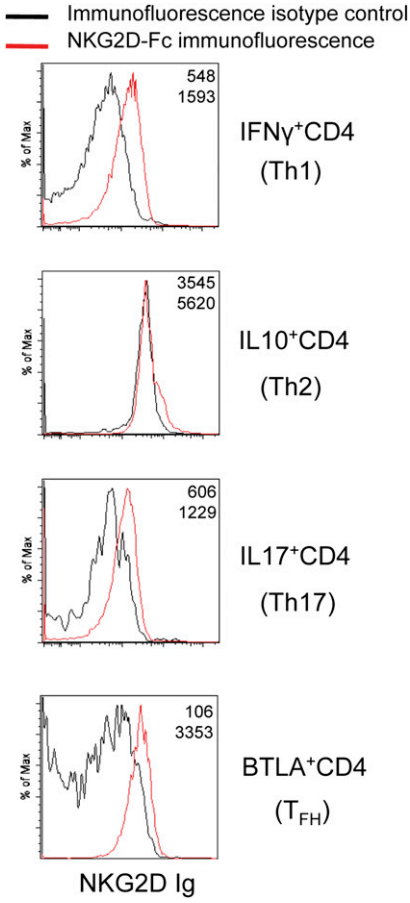

Fig. S3. Enhanced NKG2D ligand expression does not account for differential susceptibility of T_H subsets. T_H subsets were stimulated with leukocyte activation mixture for 4 h before surface staining with anti-CD4, anti-BTLA, and NKG2D-Fc (revealed with goat anti-human APC) followed by intracellular staining with Abs to indicated cytokines. Levels of NKG2D-Fc-dependent fluorescence were measured for IFN-γ^+, IL-10^+, IL-17^+, and $BTLA^+$ CD4 cells. Representative histogram overlays are shown with mean fluorescence intensity indicated.