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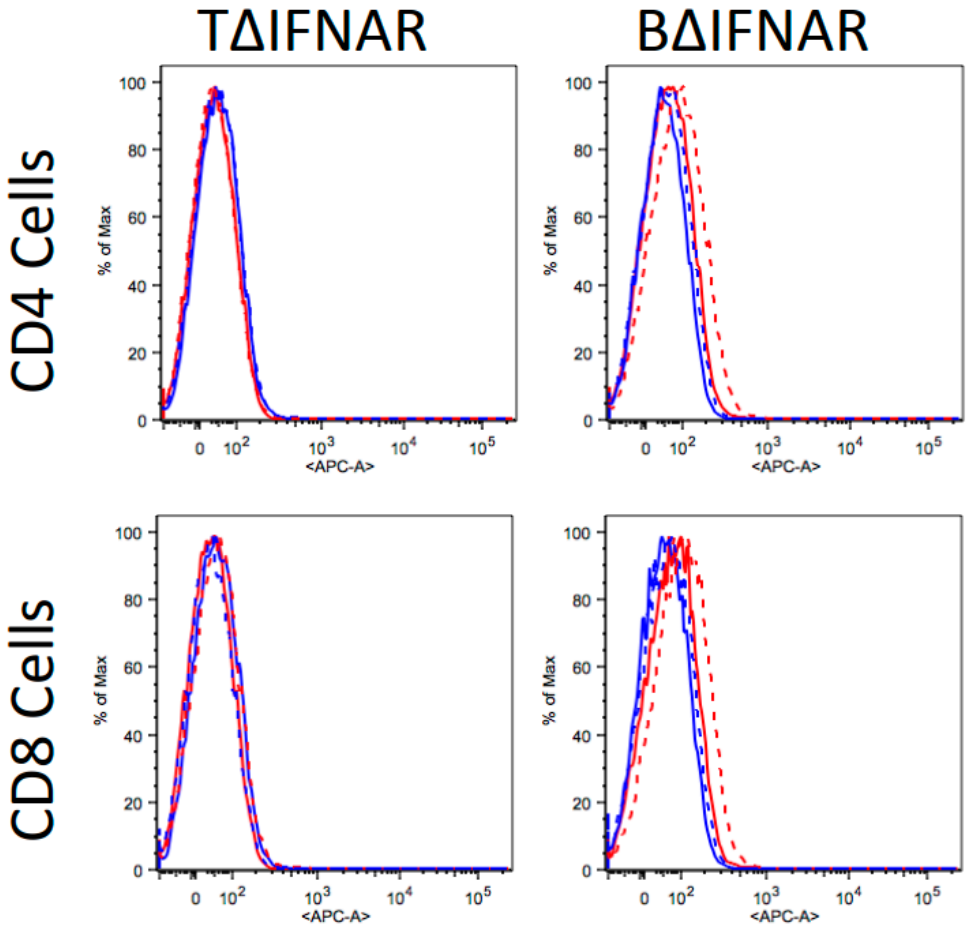
MDPI

Supplementary Materials

Spontaneous CD4+ T Cell Activation and Differentiation in Lupus-Prone B6.Nba2 Mice is IFNAR-Independent

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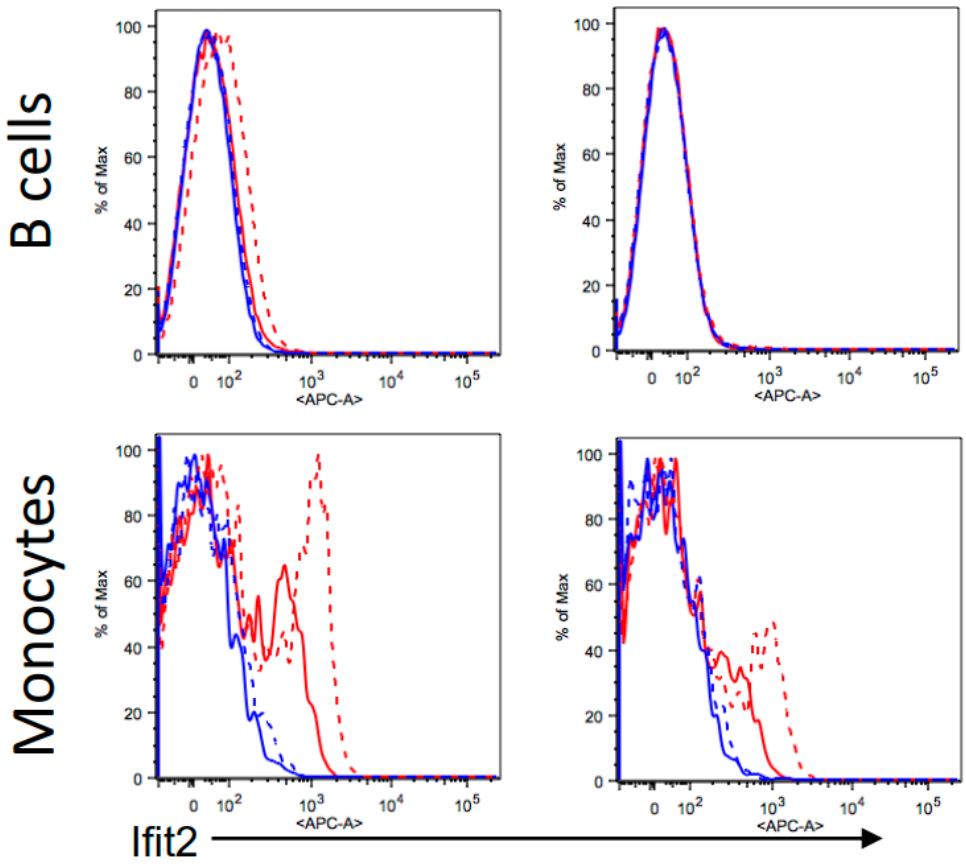


Figure S1. Ifit2 is not induced in response to recombinant IFNalpha in CD4+ and CD8+ T cells from B6.Nba2.TΔIFNAR mice. Splenocytes were isolated from B6.Nba2.TΔIFNAR (column **A**) and B6.Nba2.BΔIFNAR (column **B**)[13], and stimulated ex vivo with recombinant mouse IFNαA (stippled lines) or control 1×PBS (solid line) for 16 hours. Splenocytes were surface stained for CD4, CD8, CD11b and B220, and intracellular levels of Ifit2 were determined via staining with anti-Ifit2 antibody in the presence (red line) or absence (blue line) or secondary fluorescently labeled anti-rat IgG.

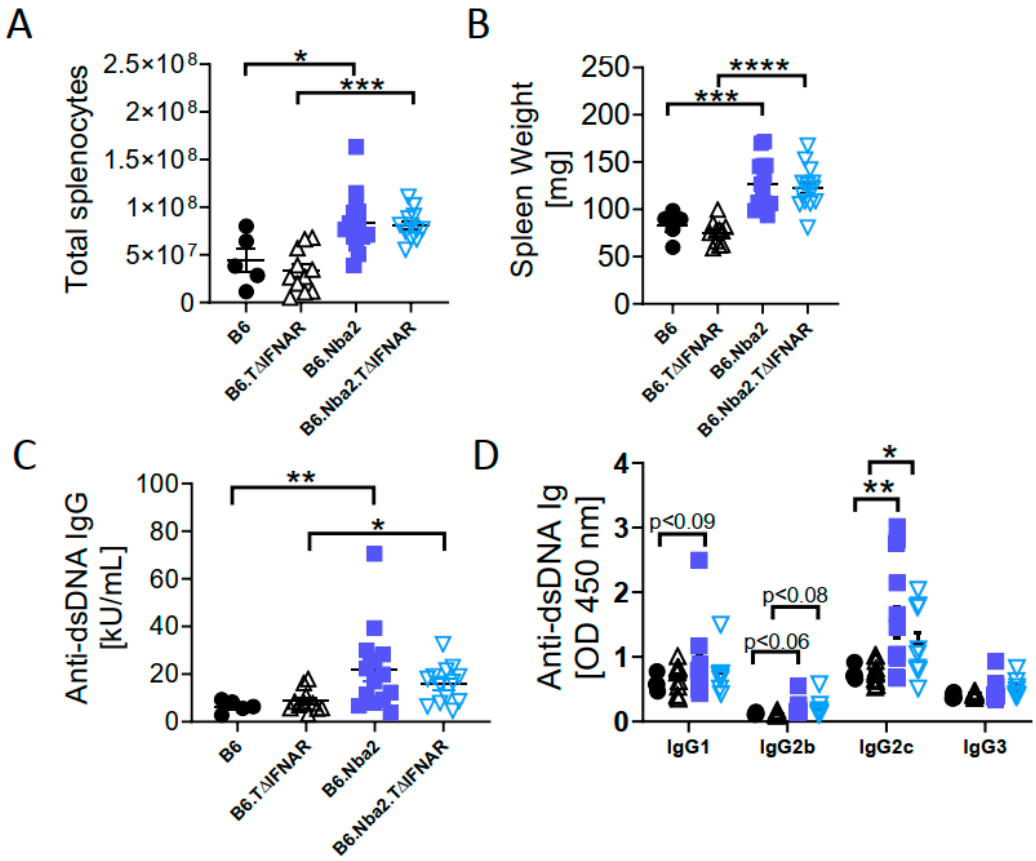


Figure S2. Splenomegaly and autoantibody production is intact in B6.Nba2.TΔIFNAR mice**.** Splenomegaly was determined by measuring splenocyte count (**A**) and spleen weight (**B**) at 4 months of age. Presence of anti-dsDNA IgG and anti-dsDNA IgG subtypes in serum were measured by ELISA (**C**,**D**). B6: n = 5, B6. TΔIFNAR: n = 11 B6.Nba2: n = 13, B6.Nba2.TΔIFNAR: n = 14,. Each symbol represents one mouse and data are shown as Mean ± SEM. * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$, **** $p < 0.0001$; Student's unpaired t-test with Welch's correction.

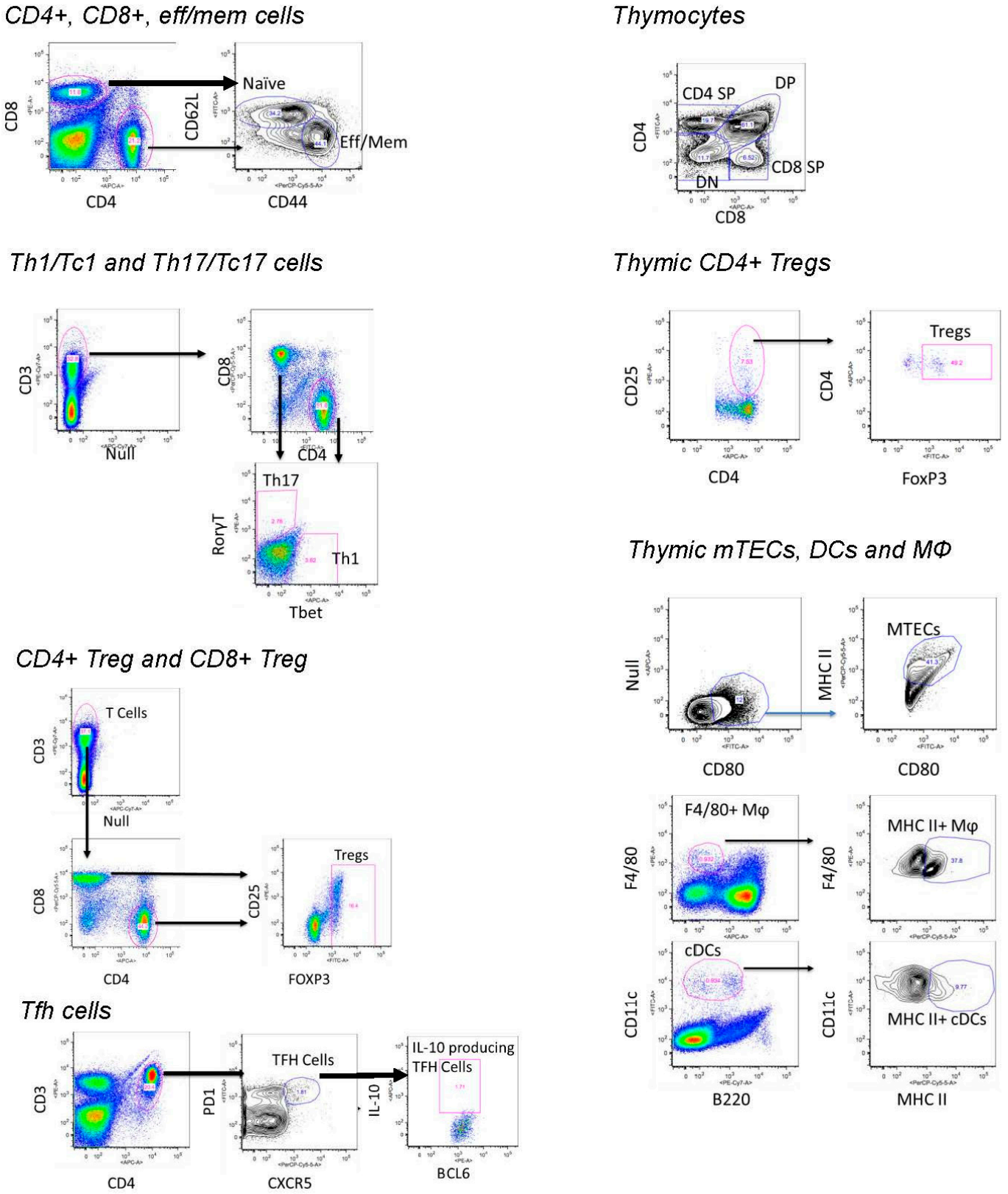


Figure S3. Gating strategies for T cell and thymic cell populations. All samples were gated for live cells using forward and side scatter properties. Gating strategies for splenic B cell subsets can be found in Keller et al [13].