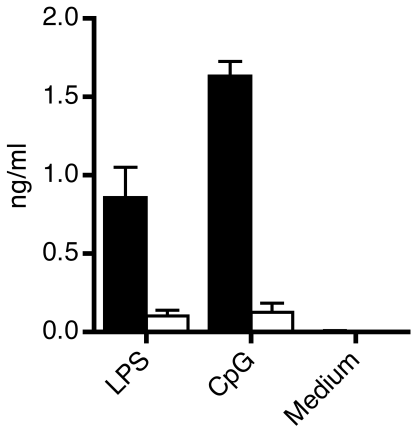
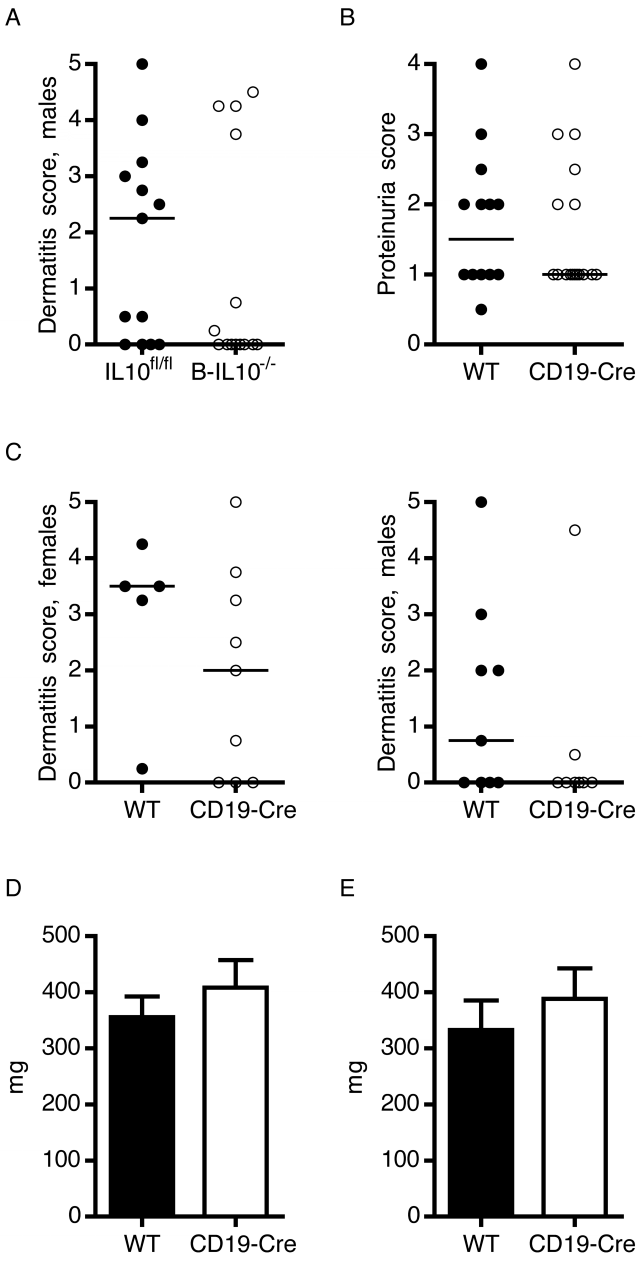
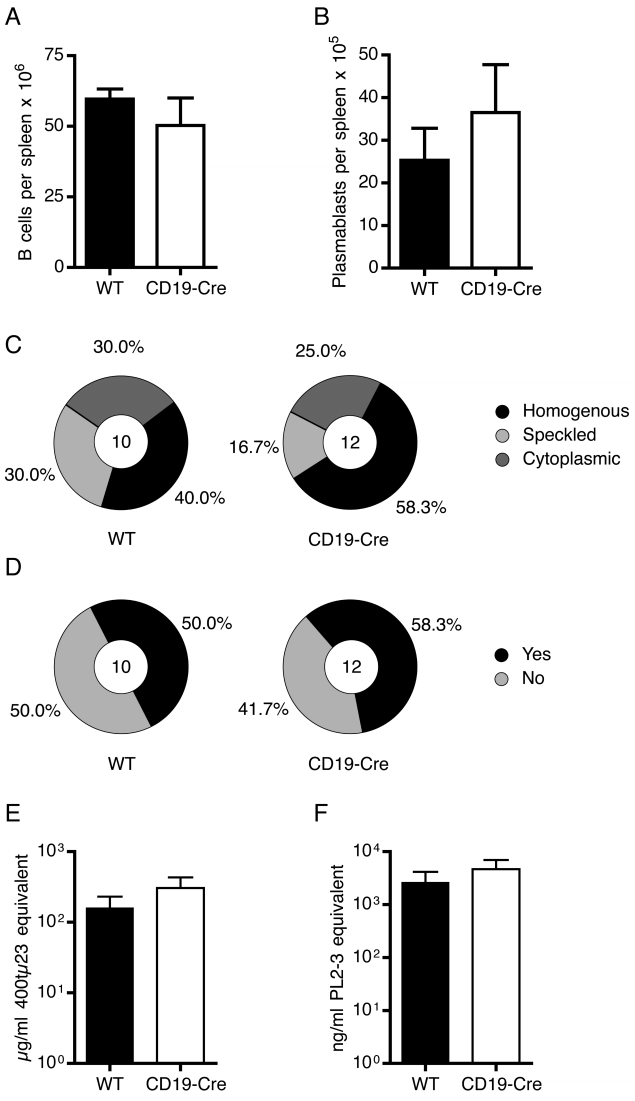


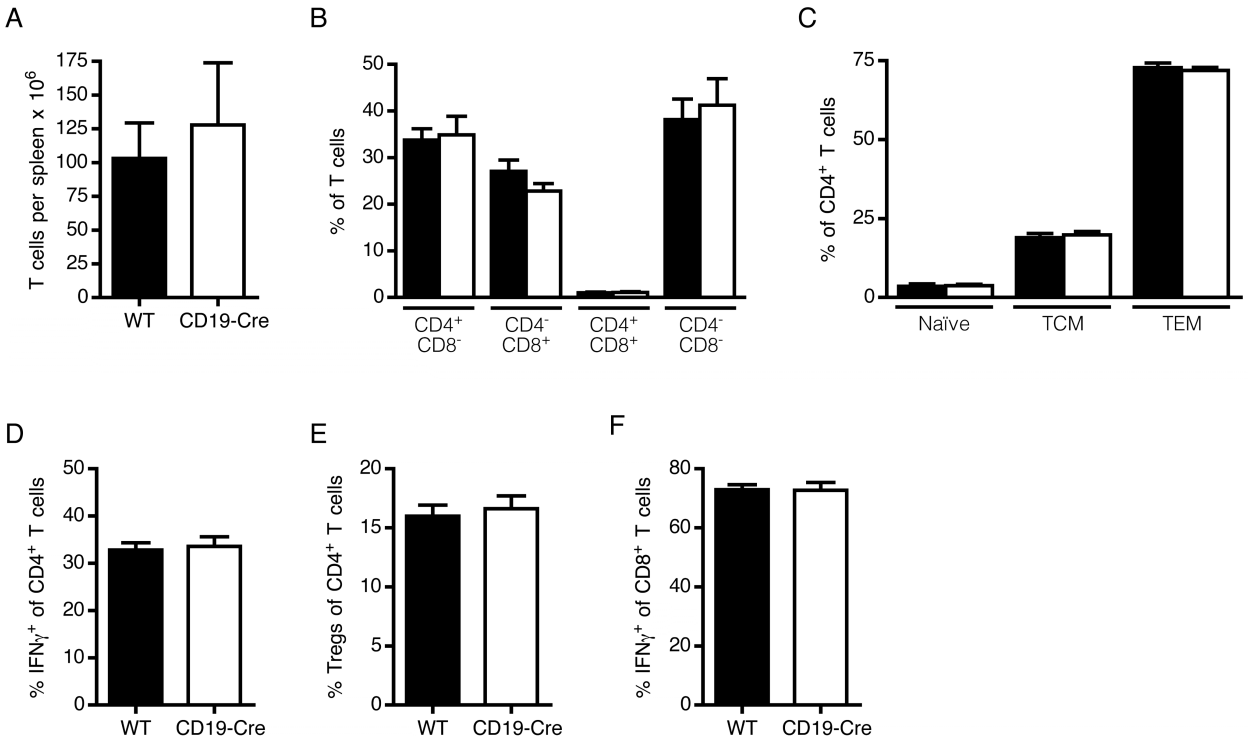
SUPPLEMENTAL FIGURE S1. Efficient deletion of *Il10* in B cells of B-IL10$^{-/-}$ mice. B cells were purified by FACS from spleens of IL10$^{fl/fl}$ (black bars) and B-IL10$^{-/-}$ (white bars) mice and stimulated with 10 µg/ml LPS E. coli 0111:B4, 5 µg/ml CpG ODN 2395 or medium for 48 hrs. IL-10 was measured in the supernatants of B cell cultures by Luminex assay (n = 3). Data are from a single experiment (mean ± SEM).



SUPPLEMENTAL FIGURE S2. Organ disease in MRL.*Fas*^{lpr} mice is not affected by the CD19-Cre knock-in. *A*, Dermatitis severity was scored for male B-IL10$^{-/-}$ and IL10$^{fl/fl}$ mice ($n \geq 13$). *B* and *C*, Proteinuria (*B*, $n \geq 14$) and dermatitis severity (*C*, $n = 5 — 9$) were scored for wild type (WT) and CD19-Cre mice. Each dot represents an individual mouse. Horizontal lines indicate the median. *D* and *E*, Weight of spleens (*D*) and the two largest axillary lymph nodes (*E*) ($n \geq 14$). Data are represented as mean ± SEM in bar graphs. Data shown are combined from 5 experiments.



SUPPLEMENTAL FIGURE S3. CD19-Cre does not confound analysis of the B cell system. *A* and *B*, Numbers of B cells (*A*) and plasmablasts (*B*) per spleen ($n \geq 6$). *C* and *D*, Hep-2 ANA staining patterns classified as homogenous, speckled, or cytoplasmic (*C*) and mitotic chromatin staining classified as positive or negative (*D*) produced by sera from wild type (WT) and CD19-Cre mice. The numbers in the circles indicate the numbers of mice analyzed in each group. *E* and *F*, ELISAs showing serum concentrations of anti-IgG2a rheumatoid factor (*E*) and anti-nuclesome IgG (*F*) ($n \geq 10$). B cell and plasmablast data are pooled from 3 experiments. Hep-2a assay and ELISAs were performed once with mouse sera prepared in 3 experiments. Data are represented as mean ± SEM in bar graphs.



SUPPLEMENTAL FIGURE S4. CD19-Cre has no effect on the anti-self T cell response. *A*, T cell numbers in the spleen. *B*, Frequencies of $CD4^+$, $CD8^+$, $CD4^+CD8^+$ and double-negative T cells as a percentage of total T cells of wild type (WT, black bars) and CD19-Cre (white bars) mice. *C*, CD44 and CD62L staining of $CD4^+$ T cells of wild type (WT, black bars) and CD19-Cre (white bars) mice to identify naïve ($CD44^-CD62L^+$), central-memory ($CD44^+CD62L^+$, TCM) and effector memory ($CD44^+CD62L^-$, TEM) populations. *D* and *E*, Intracellular IFN-γ staining of PMA/ionomycin-stimulated splenocytes gated on $CD4^+$ (*D*) or $CD8^+$ (*E*) T cells. *F*, Frequency of Tregs ($FoxP3^+CD25^+$) as a percentage of $CD4^+$ T cells. n $\geq$ 6. Data shown are combined from 3 experiments (mean ± SEM).