SUPPLEMENTAL MATERIAL

Rozanski et al., http://www.jem.org/cgi/content/full/jem.20110040/DC1

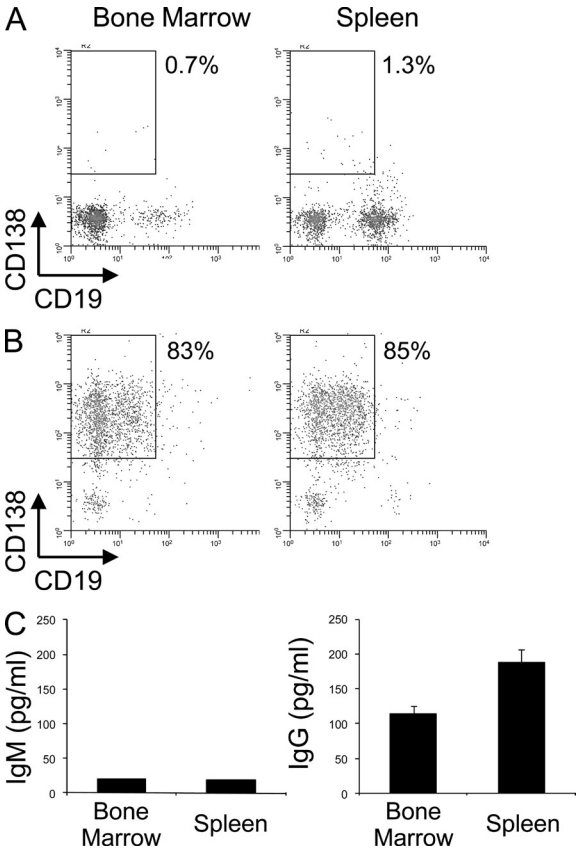

Figure S1. Characterization of purified BM and splenic PCs. (A and B) Total unpurified BM cells and splenocytes (A) and purified BM and splenic PCs (B) were analyzed for CD19 and CD138 expression by flow cytometry. (C) 10^5 purified BM and splenic PCs were cultured in 96-well plate for 24 h, and supernatant was collected and analyzed for IgM and IgG production by ELISA. Data are one representative of three independent experiments. Mean ± SD is shown.

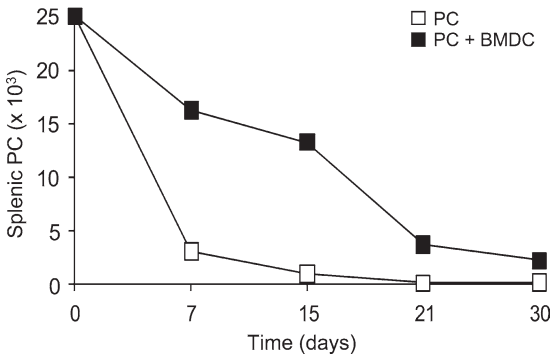

Figure S2. Long-term splenic PC survival is not supported by BMDCs. 2.5×10^4 purified splenic PCs were cultured with or without 2×10^5 BMDC. Total viable PC numbers were determined by 7AAD incorporation assessed by flow cytometry. Data are one representative of three independent experiments.

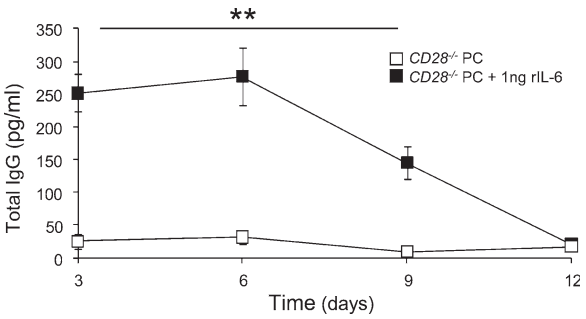

Figure S3. IL-6 induces immunoglobulin production from CD28$^{-/-}$ PCs. 2 × 10^4 purified CD28$^{-/-}$ BM PCs were cultured with or without 1 ng/ml rIL-6. Supernatant was analyzed for total IgG production by ELISA. Mean ± SD is shown. Data are one representative of three independent experiments. **, $P < 0.01$.

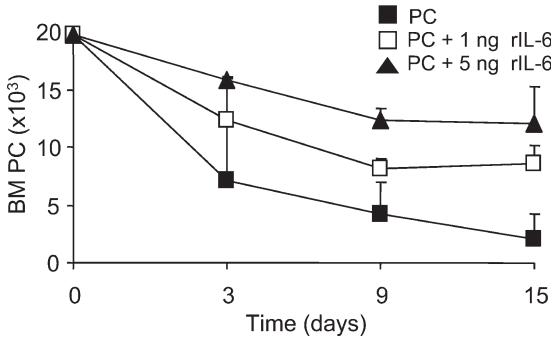

Figure S4. Exogenous IL-6 supports BM PC survival. rIL-6 was added to purified BM PC in media alone, with viable PC numbers. Data are presented as the mean ± SD and are representative of two independent experiments.

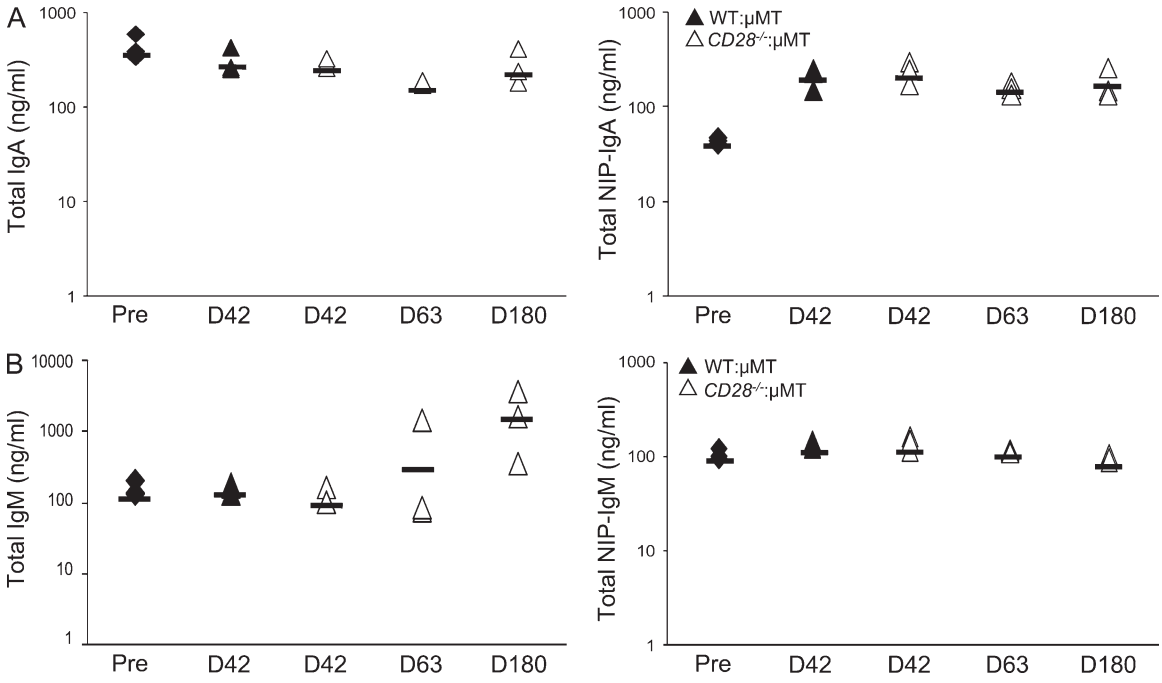

Figure S5. Maintenance of IgM and IgA immunoglobulin titers is not CD28 dependent. Serum was collected from the chimeras detailed in the figure and analyzed for total and NIP-IgA (A) or IgM (B) by ELISA. Each point represents one mouse. Mean is indicated by black bars.