Supplemental figure 3
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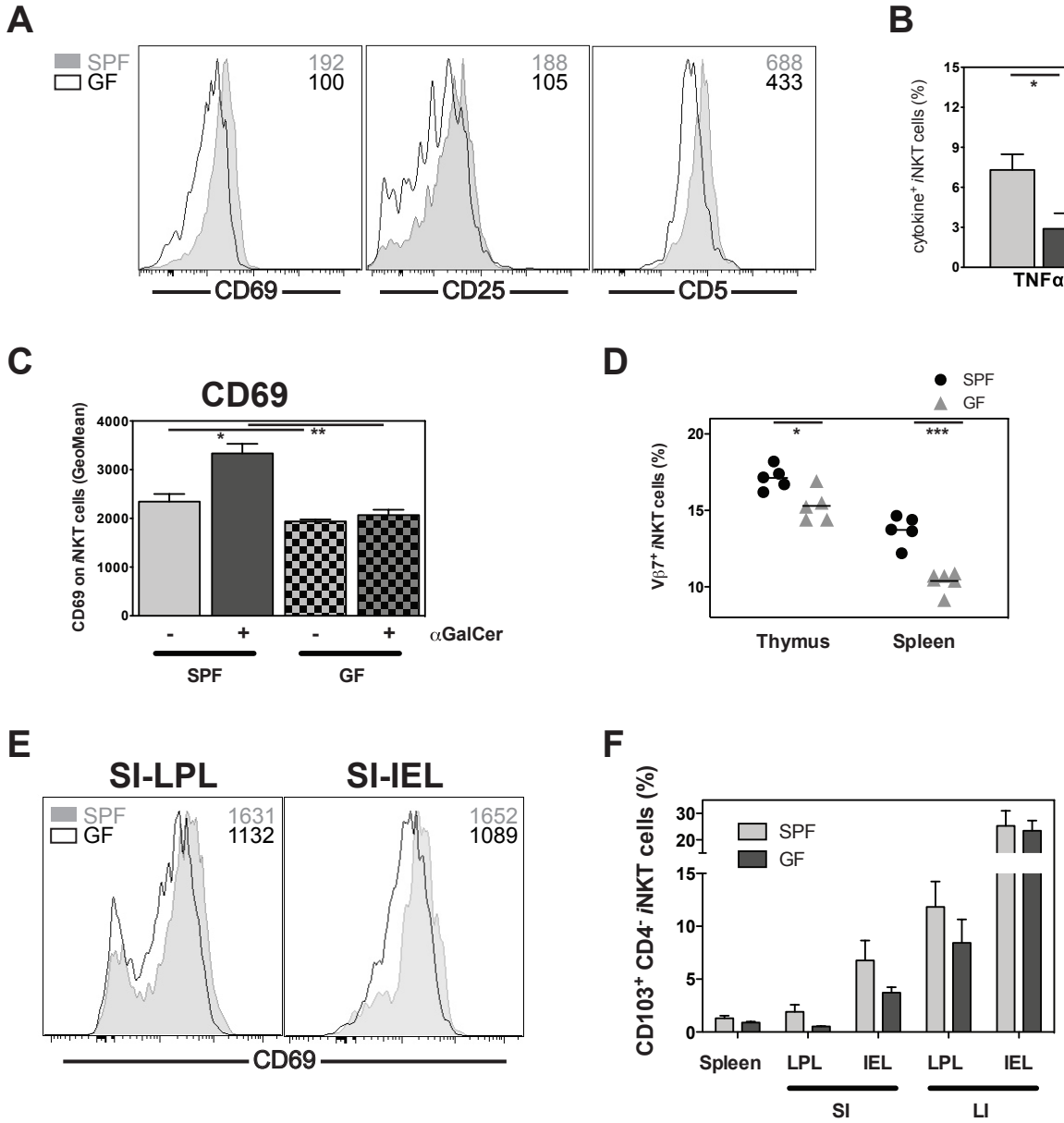

Supplementary figure 3. Reduced responses and activation marker expression by *i*NKT cells from GF mice:
(A) Representative expression of CD69, CD25 and CD5 by splenic *i*NKT cells from germ-free (GF) or specific pathogen free (SPF) housed Swiss Webster mice. The numbers in histograms denote the geometric mean values for depicted antigens on *i*NKT cells. **(B)** Splenocytes from germ-free (GF) and specific pathogen free (SPF) Swiss Webster mice were stimulated in vitro for 4 h with αGalCer and cytokine production by *i*NKT cells was analyzed by intracellular staining. Background values have been subtracted. **(C)** Expression of CD69 by splenic *i*NKT cells from GF or SPF C57BL/6 mice with or without αGalCer challenge in vivo (90 min). Representative results from two independent experiments, with 2 - 4 mice per group, are shown. **(D)** Relative frequency of Vβ7$^+$ *i*NKT cells in the indicated organs of GF or SPF housed C57BL/6 mice. The graphs summarize data from two independent experiments, with 5 - 6 mice per group. No difference in the frequency of Vβ2$^+$ *i*NKT cells was observed (data not shown). **(E)** Representative expression of CD69 by small intestine iNKT cells from GF or SPF housed Swiss Webster mice. Similar results were obtained for the LI (data not shown). **(F)** Frequency of CD127+CD4- *i*NKT cells from the indicated organs of GF or SPF housed Swiss Webster animals. The graph summarizes data from three independent experiments, with 6 - 8 mice per group.