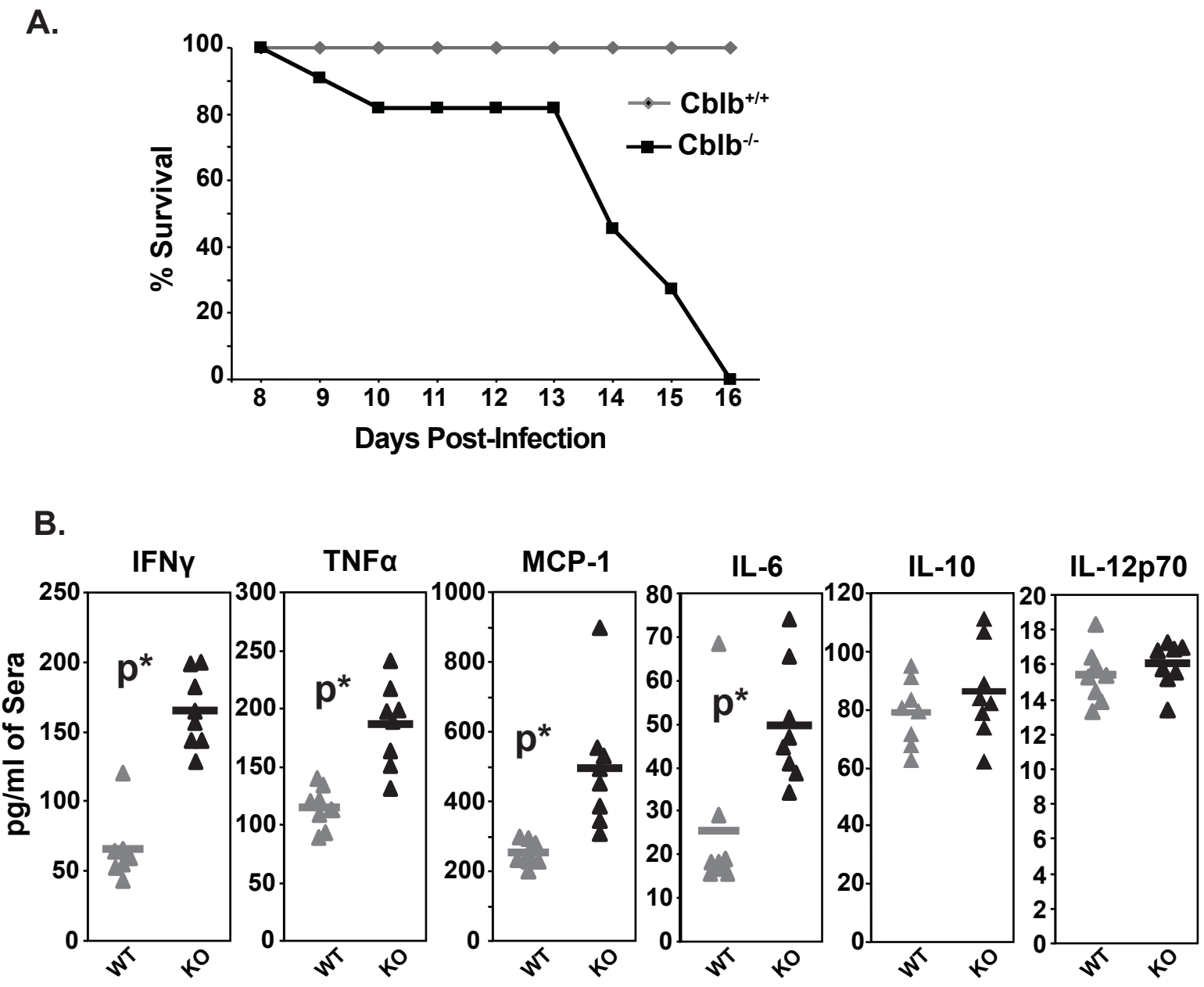
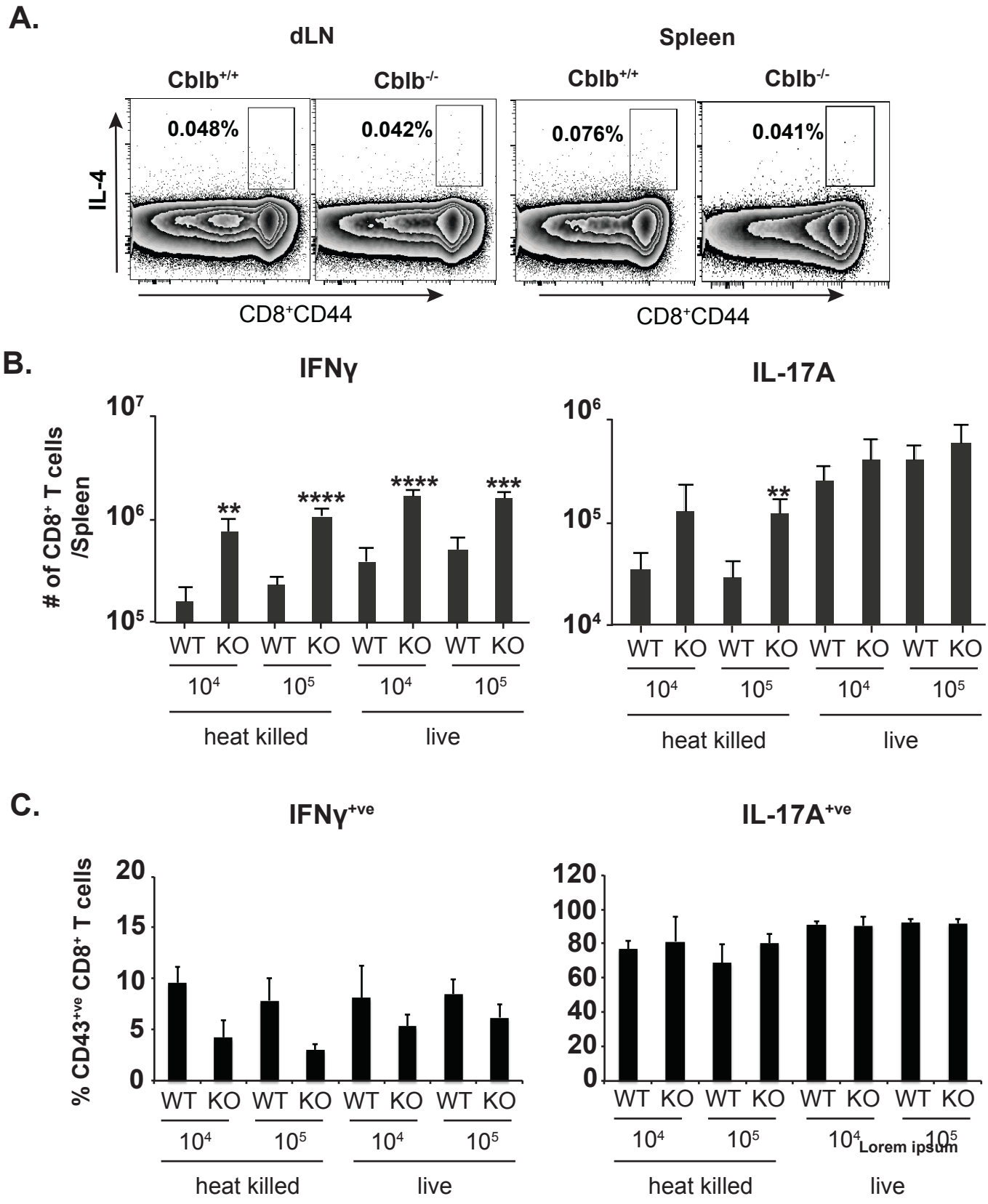
Supplementary Figure 1



Supplementary Figure 1. Cblb deficiency leads to immunopathology during chronic viral infection.

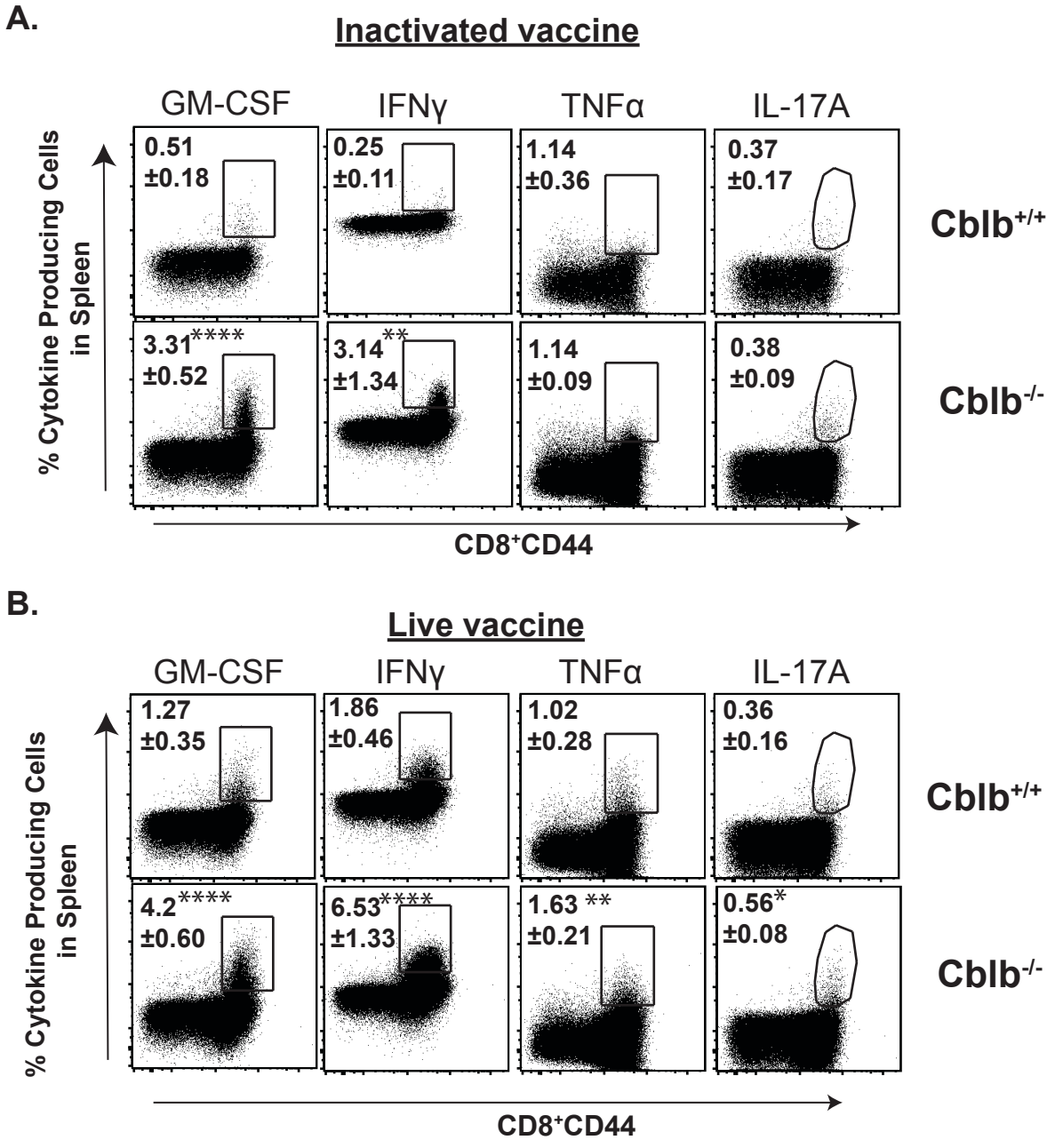
Naïve Cblb$^{+/+}$ and Cblb$^{-/-}$ mice were infected with LCMV Clone 13. Mice were monitored for their survival (**A**). Serum concentration (pg/ml) of cytokines measured by BD Biosciences Cytokine Bead Array (**B**). N=8 mice/group. *p≤0.05.

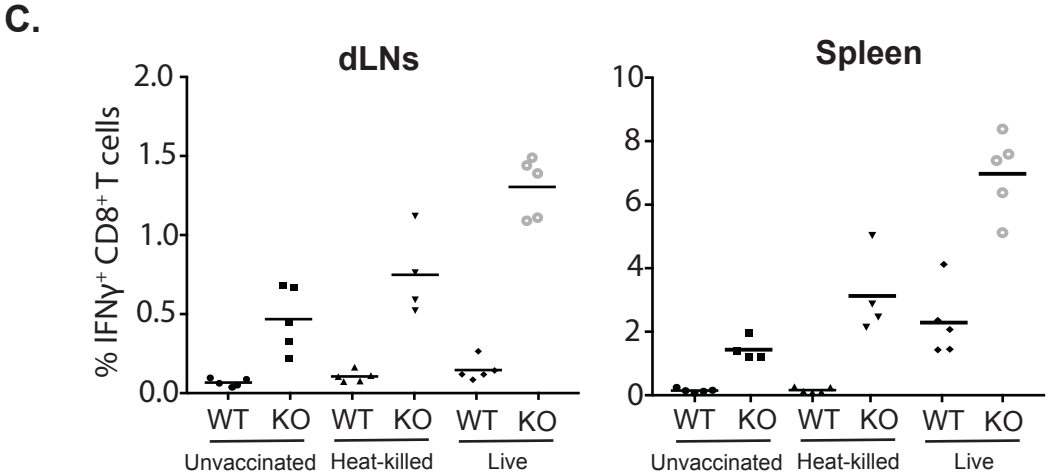
Supplementary Figure 2



Supplementary Figure 2. Antifungal CD8$^+$ T cell responses. Naïve Cblb$^{+/+}$ and Cblb$^{-/-}$ were vaccinated with either live or heat killed strain #55 yeast. On day 25, dLNs and Spleens were harvested to analyze percent IL-4 producing cells among CD8$^+$ T cells by flow cytometry (**A**). On day 18, spleens were harvested to analyze cytokine-producing CD8$^+$ T cells by flow cytometry (**B**) and percent CD43$^+$ cytokine-producing CD8+ T cells (**C**). Values are mean ± SD. N=4-5 mice/group. *p≤0.05.

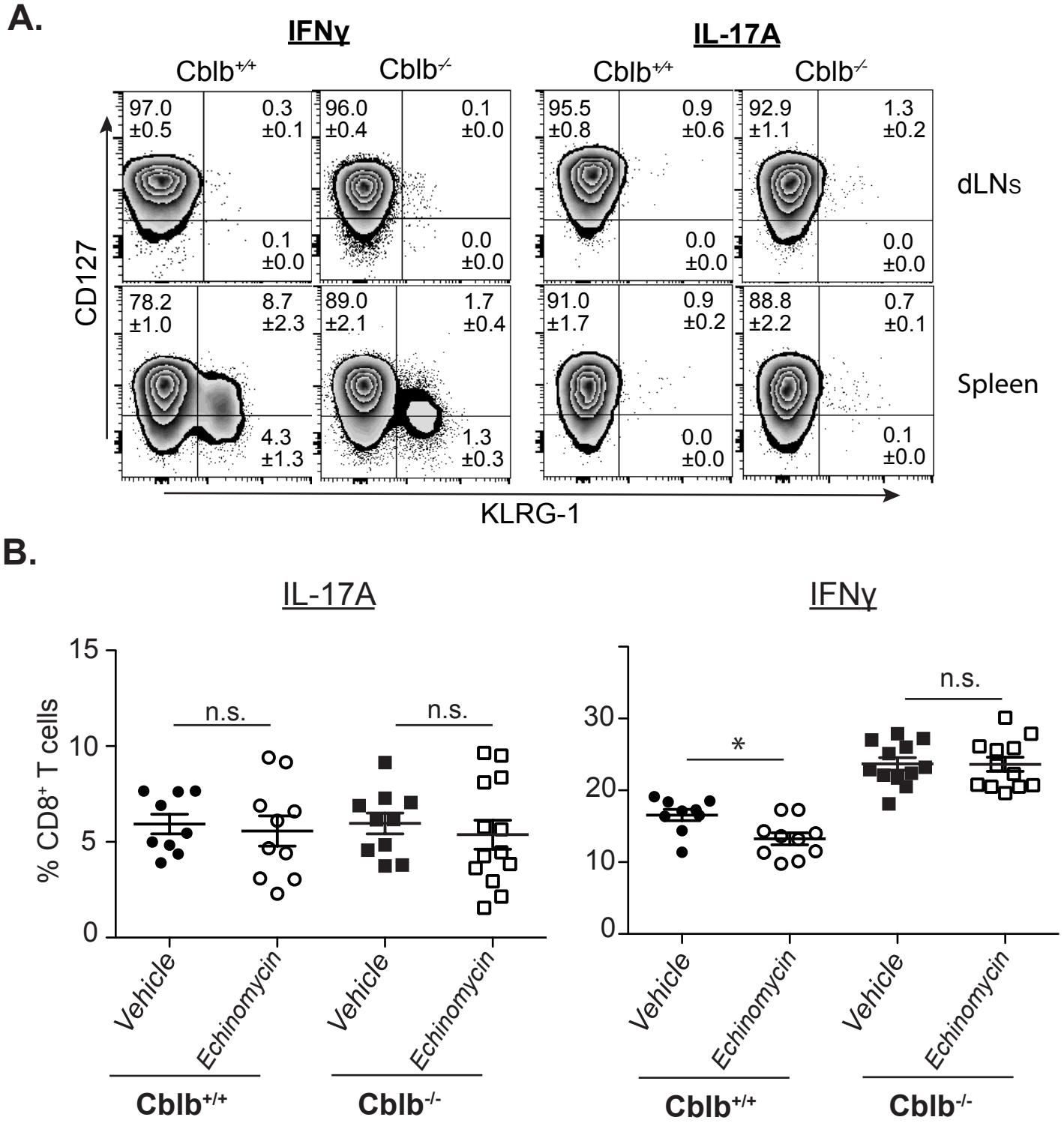
Supplementary Figure 3





Supplementary Figure 3. Attributes of antifungal CD8+ T cell responses. Naïve Cblb$^{+/+}$ and Cblb$^{-/-}$ mice were vaccinated and cells were analyzed as described in Figure 5. Percent cytokine producing CD8^{+} T cells in spleens following vaccination with inactivated yeast (**A**), live-yeast (**B**) or both (**C**). Values are mean ± SD. N=4 mice/group. *p≤ 0.05.

Supplementary Figure 4



Supplementary Figure 4. CD127 and KLRG-1 expression on and role of HIF-1α in antifungal CD8$^+$ T cells. Naïve Cblb$^{+/+}$ and Cblb$^{-/-}$ mice were vaccinated with attenuated #55 strain. (**A**) On day 25, CD8$^+$ T cells were analyzed by flow cytometry. Data shows percent KLRG-1 and CD127 expression on cytokine-producing CD8$^+$ T cells in dLNs and spleens. N=4-5 mice/group. Data is representative of three independent experiments. (**B**) Following vaccination, cohorts of mice were received either vehicle or Echinomycin (3 μg/mouse) every other day starting from day 4 post-vaccination. On day 14-16, spleens were harvested to analyze cytokine-producing CD8$^+$ T cells by flow cytometry. Scatter diagrams show frequency of cytokine-producing cells among CD8$^+$ T cells. Each individual marker represents the value from a single mouse. Data is pooled from two independent experiments. Values are mean ± SD. *p≤0.05.