



Supplementary Figure 1 Gating strategy for identification of cytokine⁺ CD4⁺ T cells. Cells are gated on singlets followed by live cells and then lymphocytes. T cells are identified as CD90.2⁺ before gating on CD4⁺ and identifying CD44^{hi} cells producing IFN- γ , TNF- α or IL-2 (cytokine⁺). Boolean gating is then used to identify all CD4⁺ cells producing one or more of these cytokines. For analysis of lung lymphocytes, an additional step of gating based on intravascular stain is performed prior to identification of cytokine⁺ cells.