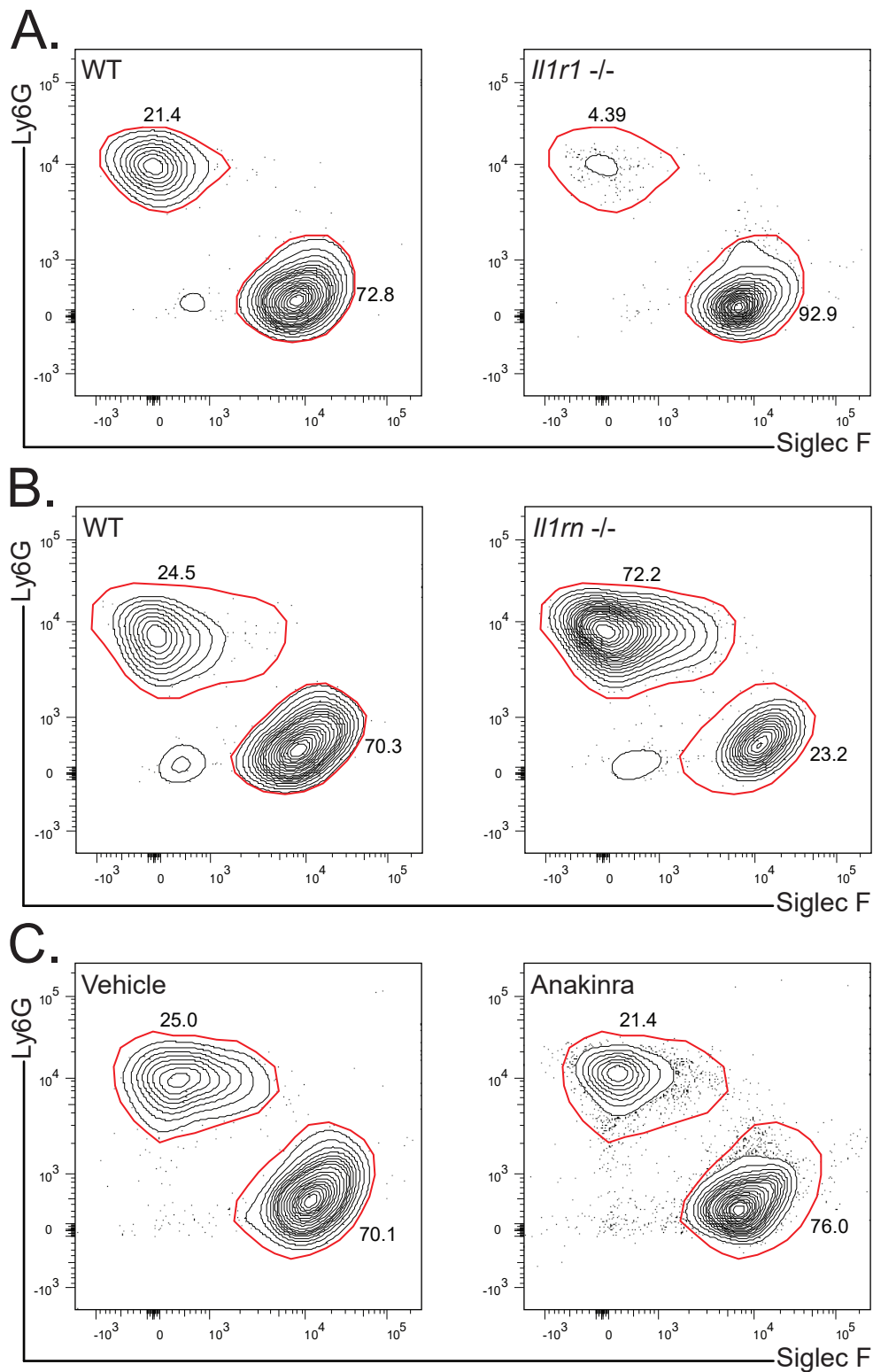
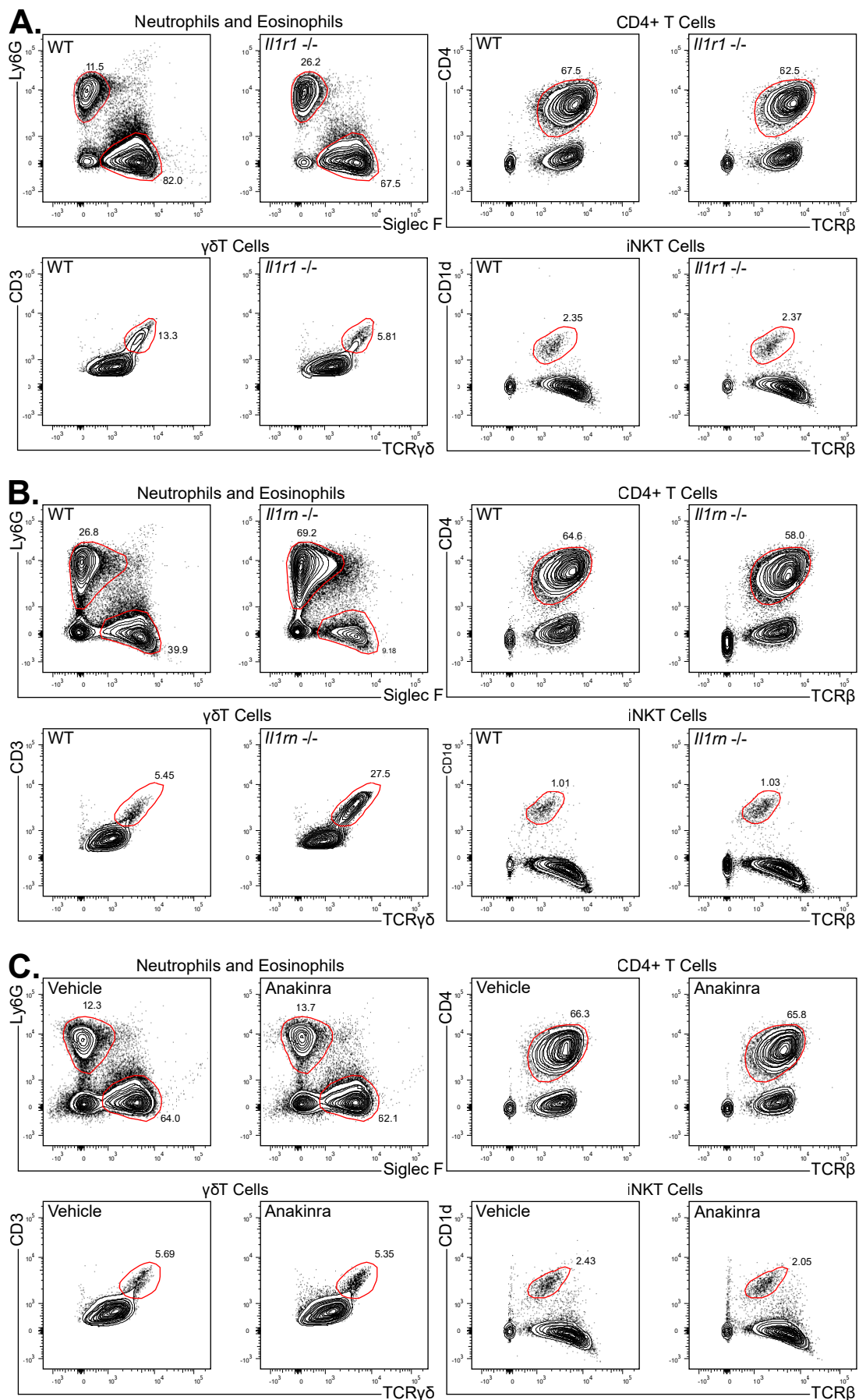




Supplemental Figure 1. IL-1 receptor signaling modulates cellularity in the airway lumen. C57BL/6 wild-type (WT), IL-1 receptor deficient (*Il1r1*^{-/-}), and IL-1 receptor antagonist deficient (*Il1rn*^{-/-}) mice were chronically exposed to *A. fumigatus* as described. For some experiments, WT mice received daily i.p. injections of vehicle or 10mg/kg Anakinra on days 0-16. Twenty-four hours after the last organism challenge, lung cells from (A) WT and *Il1r1*^{-/-} mice, (B) WT and *Il1rn*^{-/-} mice, and (C) WT mice with or without Anakinra treatment were isolated by bronchoalveolar lavage, enumerated, Fc-blocked and stained with a live/dead staining kit and stained for neutrophils (CD45⁺, CD11b⁺, Ly6G⁺, Siglec F⁻) and eosinophils (CD45⁺, CD11b⁺, Ly6G⁻, Siglec F⁺). The figure illustrates representative flow plots from a single representative experiment (n=4-5 mice/group/experiment). For all plots, cells were previously identified as live/dead aqua⁻, CD45⁺, and CD11b⁺.



Supplemental Figure 2. IL-1 receptor signaling modulates cellularity in the airway lumen and parenchyma. C57BL/6 wild-type (WT), IL-1 receptor deficient (*Il1r1*^{-/-}), and IL-1 receptor antagonist deficient (*Il1m*^{-/-}) mice were chronically exposed to *A. fumigatus* as described. For some experiments, WT mice received daily i.p. injections of vehicle or 10mg/kg Anakinra on days 0-16. Twenty-four hours after the last organism challenge, lung cells from (A) WT and *Il1r1*^{-/-} mice, (B) WT and *Il1m*^{-/-} mice, and (C) WT mice with or without Anakinra treatment were isolated via enzymatic digestion of whole lung, enumerated, Fc-blocked and stained with a live/dead staining kit and stained for neutrophils (CD45+, CD11b+, Ly6G+, Siglec F-), eosinophils (CD45+, CD11b+, Ly6G-, Siglec F+), CD4 T Cells (CD45+, CD3+, CD4+, TCRβ+), γδ T cells (CD45+, CD3+, CD4-, TCRγδ+), and iNKT cells (CD45+, CD3+, TCRβ+, PBS-57 CD1d tetramer+). The figure illustrates representative flow plots from a single representative experiment (n=4-5 mice/group/experiment). For neutrophil and eosinophil plots, cells were previously identified as live/dead aqua-, CD45+, and CD11b+. For CD4+ T cell and iNKT cell plots, cells were previously identified as live/dead aqua-, CD45+, CD3+. For γδ T cell plots, cells were previously identified as CD45+, CD3+, CD4-.