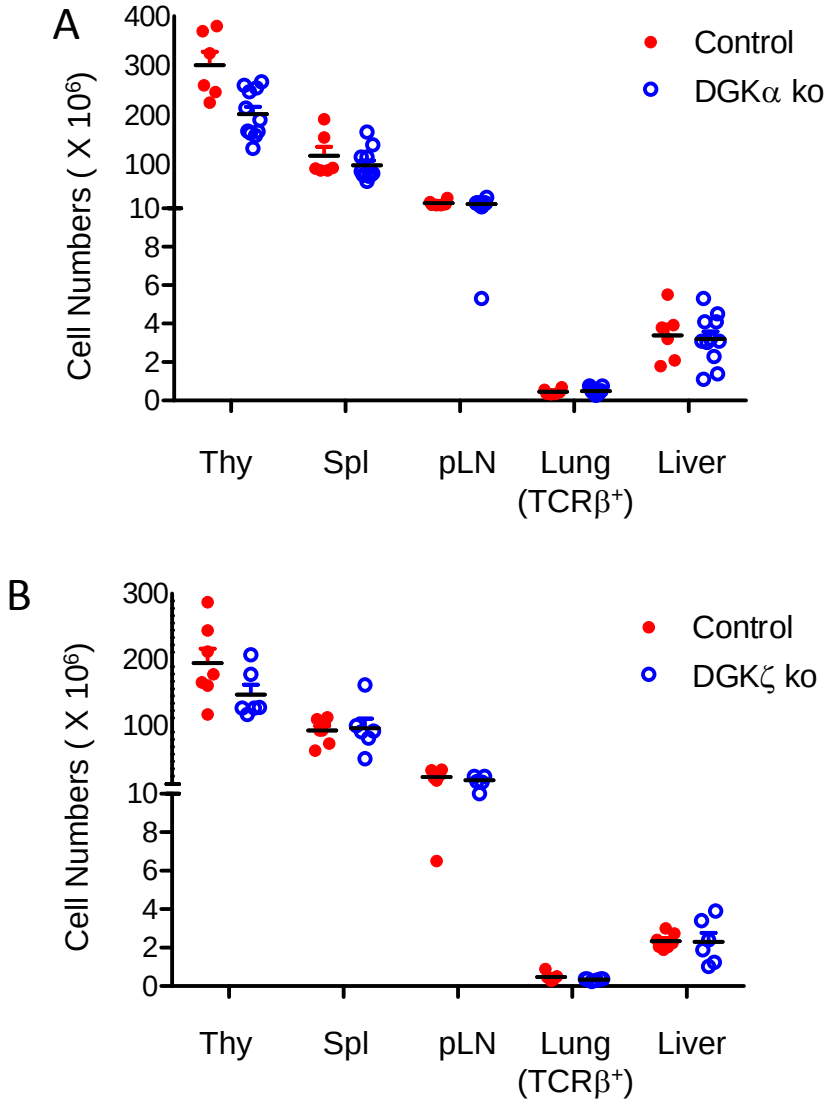
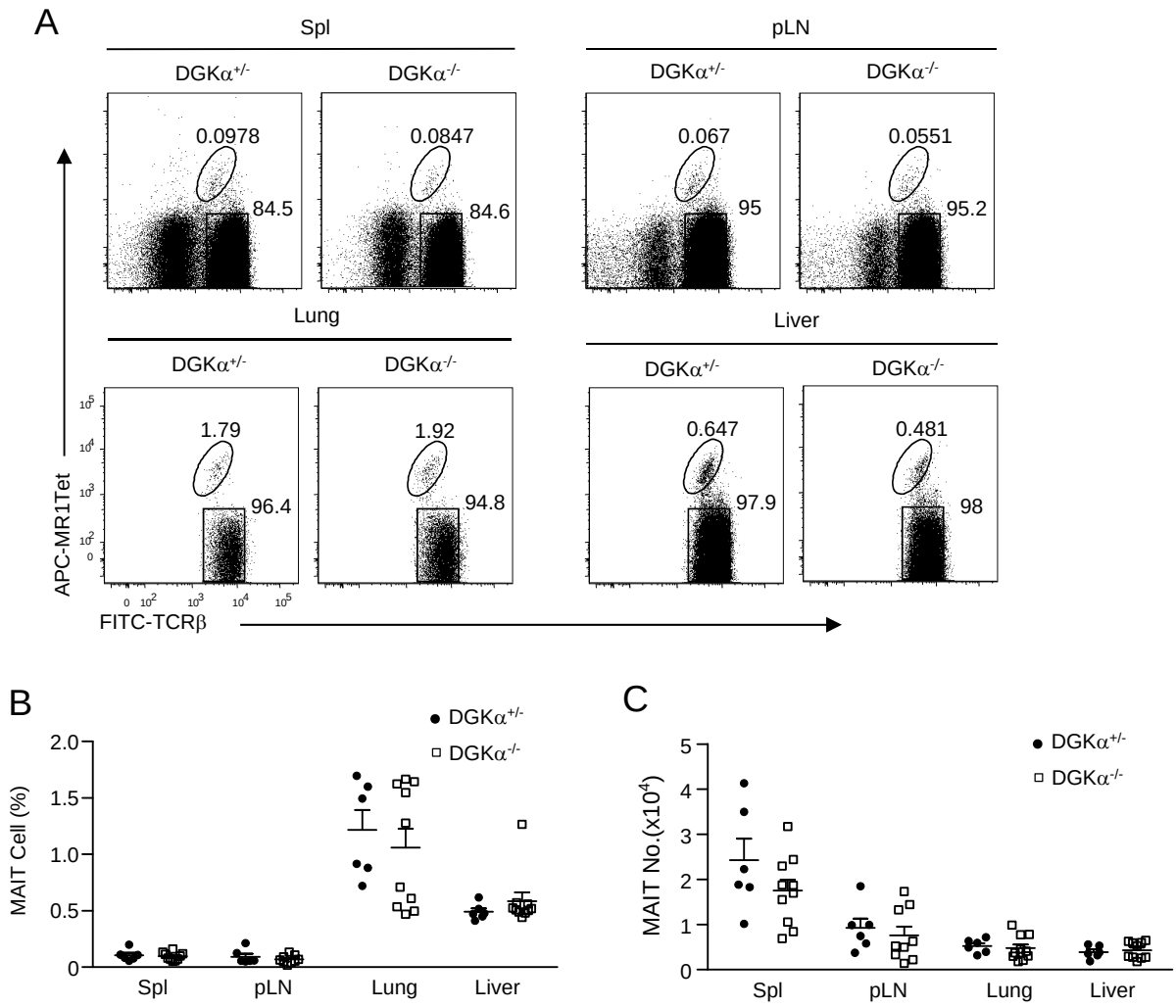
Supplemental Figure S1



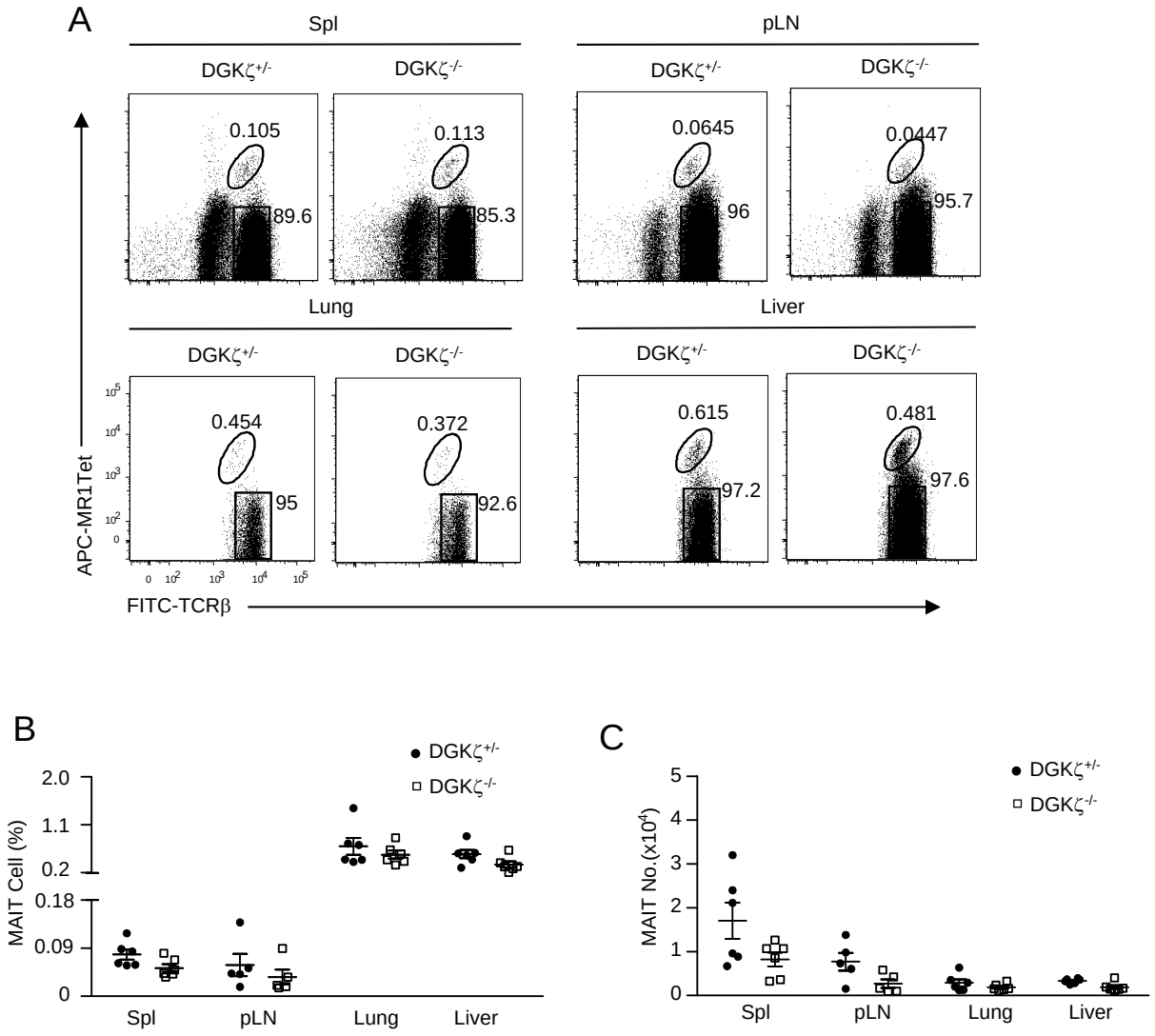
Supplemental Figure 1. Total cellularity in DGKα or ζ-deficient mice. Scatter plots show total cell numbers in the thymus (Thy), spleen (Spl), and peripheral lymph nodes (pLN), as well as total TCRβ$^+$ cells in the lung and total mononuclear cells in the liver in DGKα$^{-/-}$ mice (A, N = 6 for control, N = 11 for DGKα KO) and in DGKζ$^{-/-}$ mice (B, N = 7 for control, N = 6 for DGKζ KO) and their respective heterozygous or WT control mice. Data shown are pooled from at least six experiments. Each circle represents one mouse of the indicated genotypes.

Supplemental figure S2



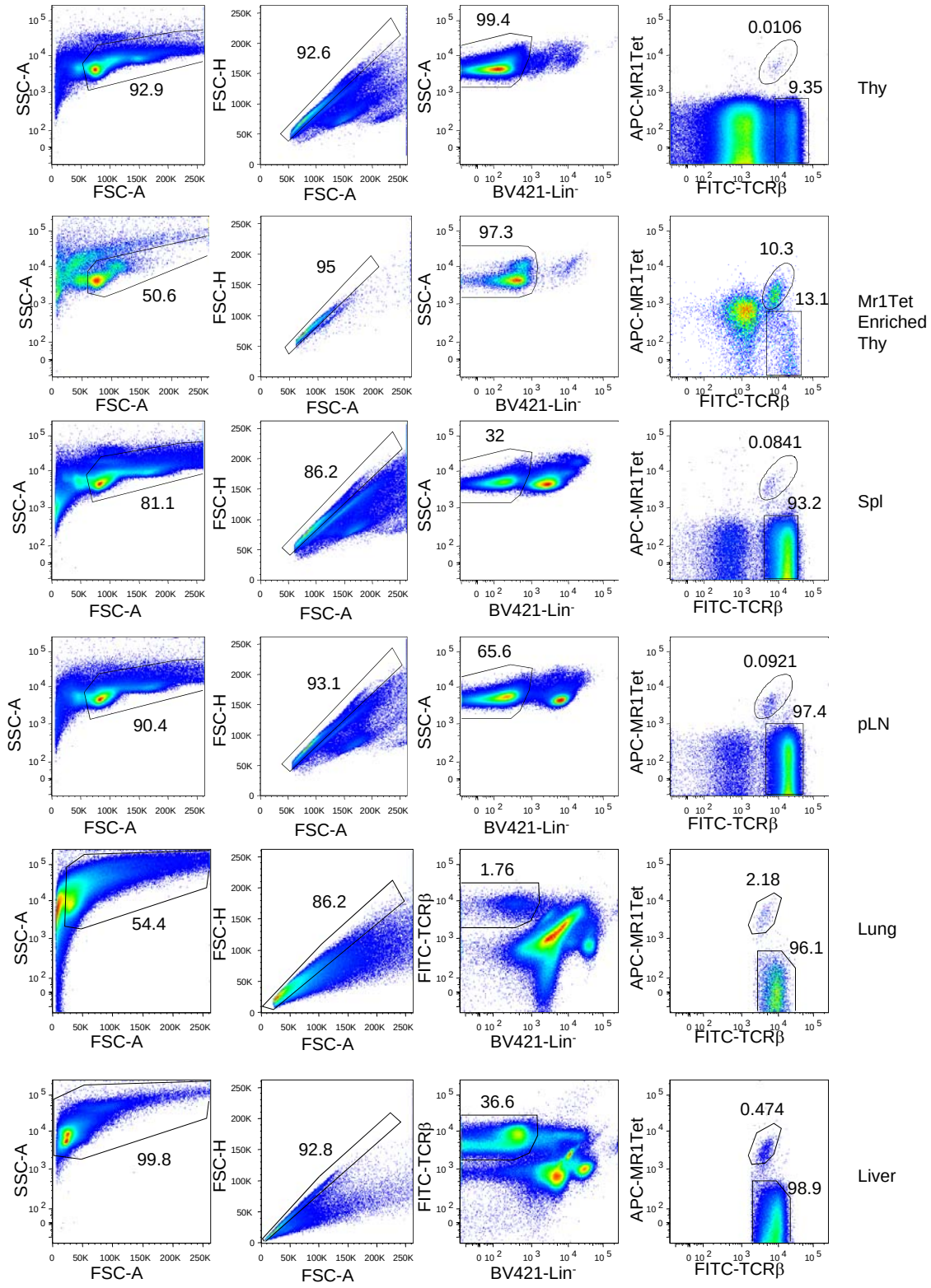
Supplemental Figure 2. MAIT cells in the peripheral organs in DGKα$^{-/-}$ mice. Single cell suspensions of the spleen, pLNs, lung, and mononuclear cells (MNCs) of the liver from 8–10-week-old DGKα$^{-/-}$ and DGKα$^{+/-}$ litter mate control mice were directly stained with MR1Tet, anti-TCRβ, CD44, CD24, CD45, and lineage antibodies. **A.** Dot plots show TCRβ and MR1Tet straining in live gated Lin^{-} cells. Only TCRβ+ cells are shown in lung and liver plots. **B.** MAIT cell percentages. **C.** CD24^{-}CD44^{+} MAIT cell numbers. Data shown are representative or pooled from at least six experiments.

Supplemental figure S3



Supplemental Figure 3. MAIT cells in the peripheral organs in *DGKζ*$^{-/-}$ mice. Single cell suspensions of the spleen, pLNs, lung, and mononuclear cells (MNCs) of the liver from 8–10-week-old DGKζ$^{-/-}$ and DGKζ$^{+/-}$ littermate control mice were directly stained with MR1Tet, anti-TCRβ, CD44, CD24, CD45, and lineage antibodies. **A.** Dot plots show TCRβ and MR1Tet straining in live gated Lin^{-} cells. Only TCRβ^{+} cells are shown in lung and liver plots. Data shown are representative or calculated from at least five experiments. **B.** MAIT cell percentages. **C.** CD24^{-}CD44^{+} MAIT cell numbers. Data are pooled from at least five experiments. Mean +/- SME are shown. N = 6 for Spleen, lung, and liver. N = 5 for pLN.

Supplemental figure S4



Supplemental Figure 4. Gating strategies for MAIT cells in different organs.