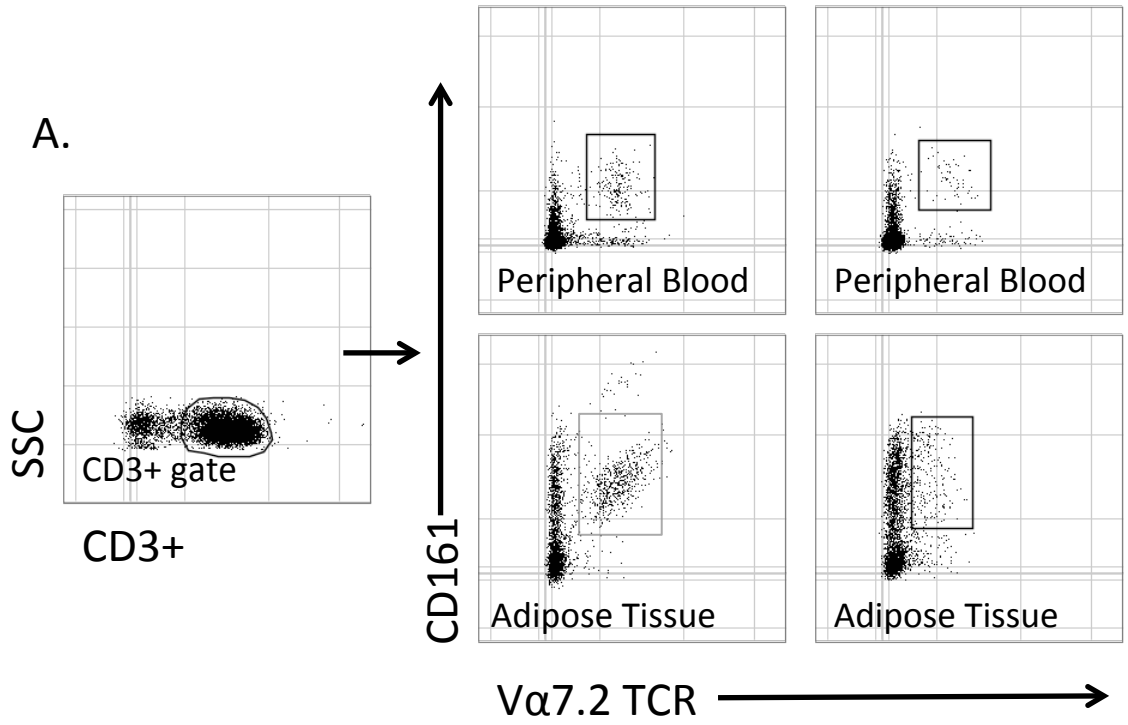
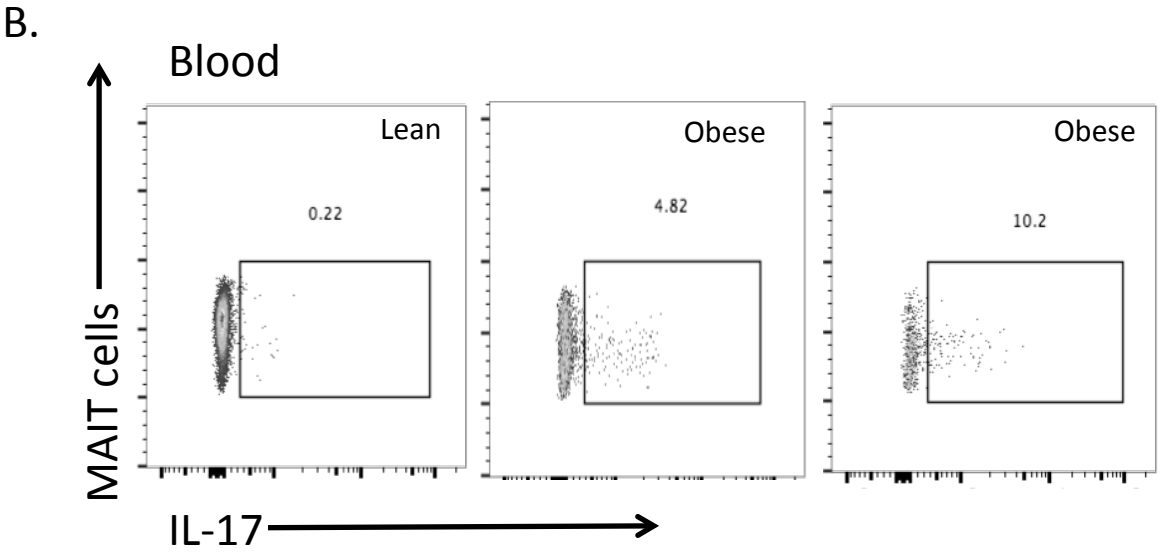
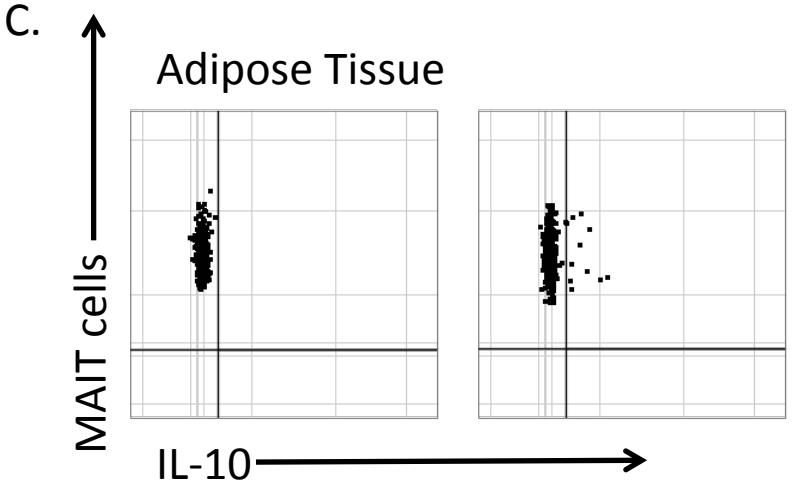
Supplementary Figure 1

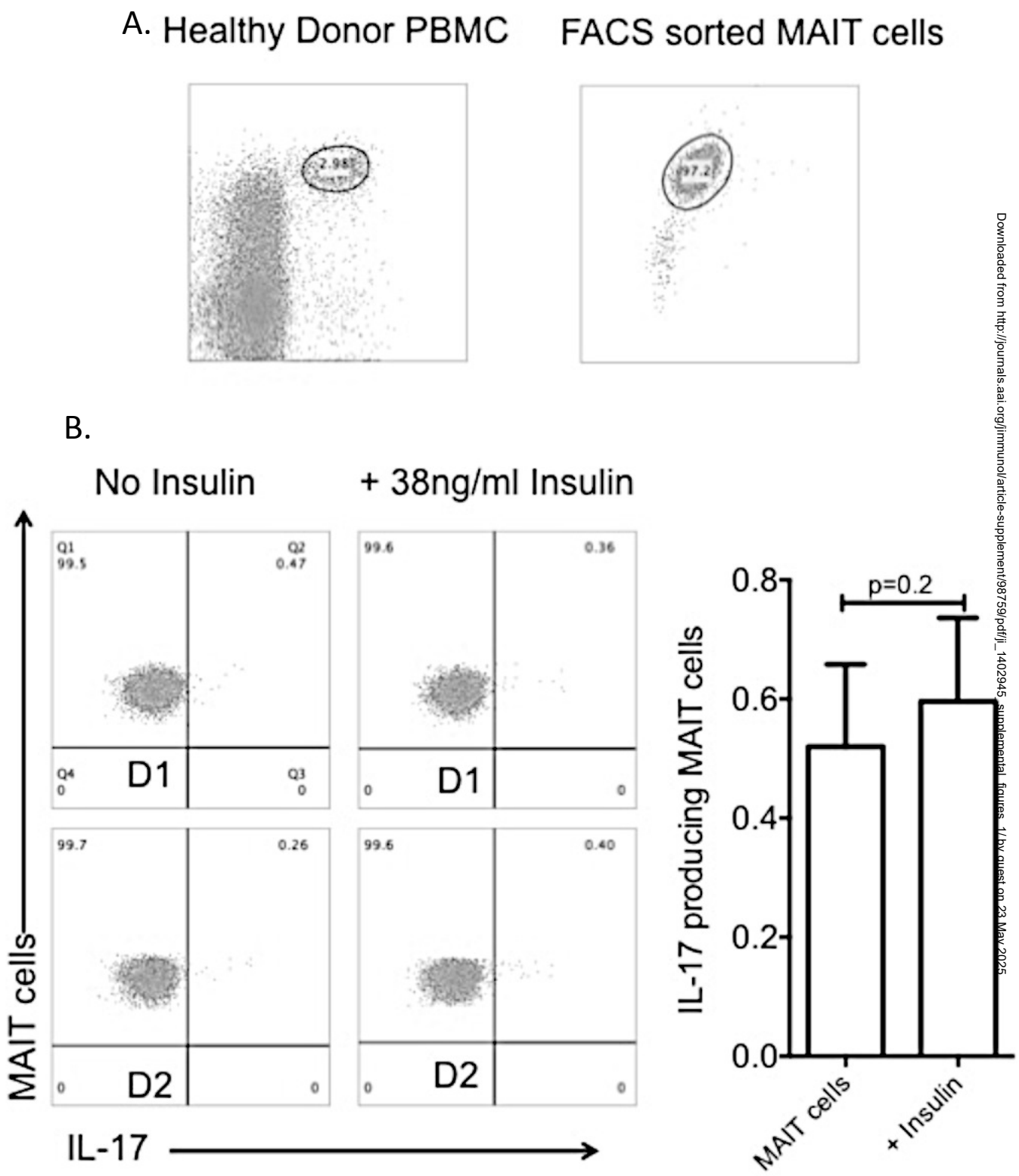






Supplementary Figure 1 – MAIT cell flow cytometry gating and cytokine production. A, Representative flow cytometry dot plots showing the gating strategy employed to identify MAIT cells. Lymphocytes where selected according to forward and side scatter. CD3+ cells where then selected and the Vα7.2 TCR^+ $CD161^+$ population where determined to be MAIT cells. **B,** Sample flow plots showing IL-17 staining in 3 representative peripheral blood samples, again MAIT cells where selected as before and IL-17 positivity determined using unstained and FMO controls. **C,** Sample flow plots showing IL-10 staining in a representative adipose tissue sample, again MAIT cells where selected as before and IL-10 positivity determined using unstained and FMO controls.

Supplementary Figure 2



Supplementary Figure 2 – Insulin has no effect on MAIT cell cytokine production. A, Representative flow cytometry dot plots showing MAIT cells before and after cell sorting. **B,** Sample flow plots showing IL-17 intracellular staining in representative peripheral blood samples stimulated either in the absence or presence of insulin (38 ng/ml) for 24 hours. Gating was determined using unstained and FMO controls.