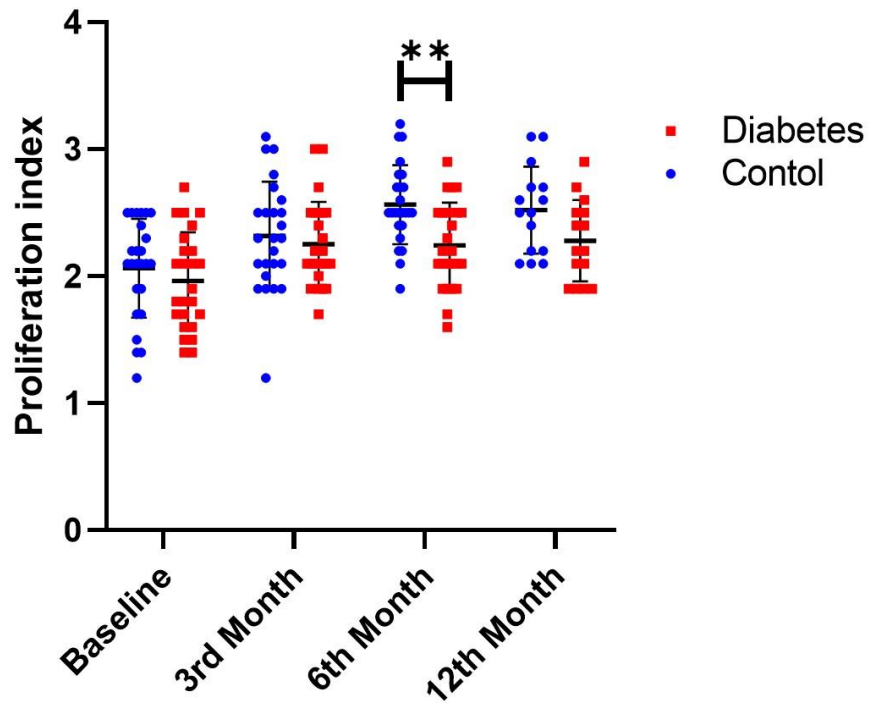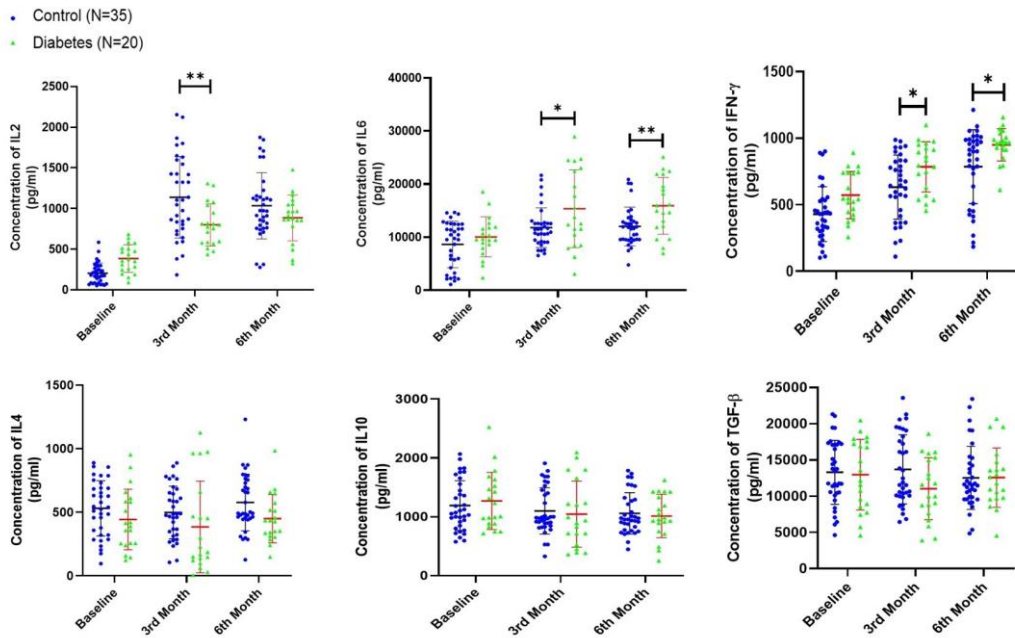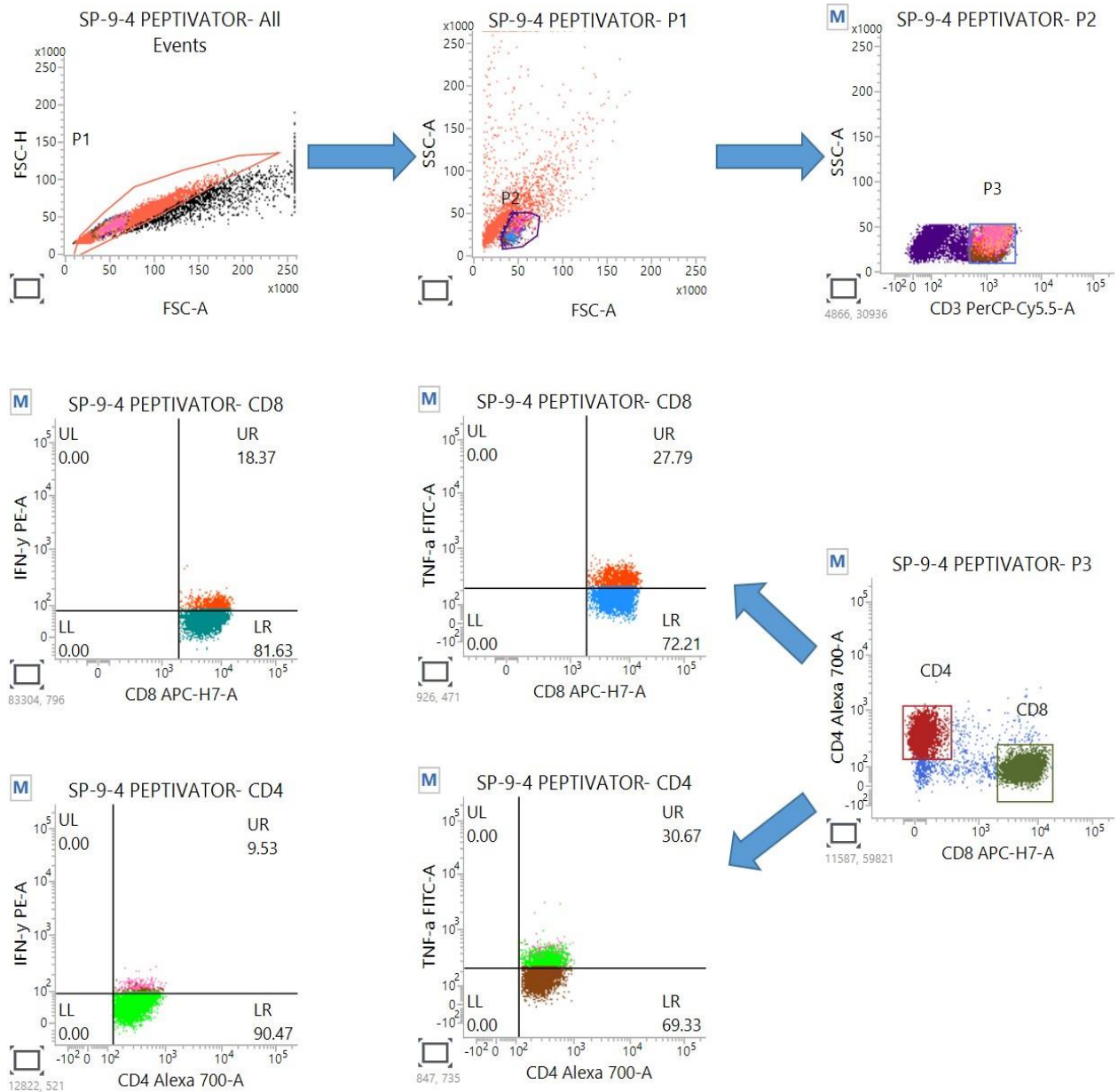# Lymphocyte proliferation indices
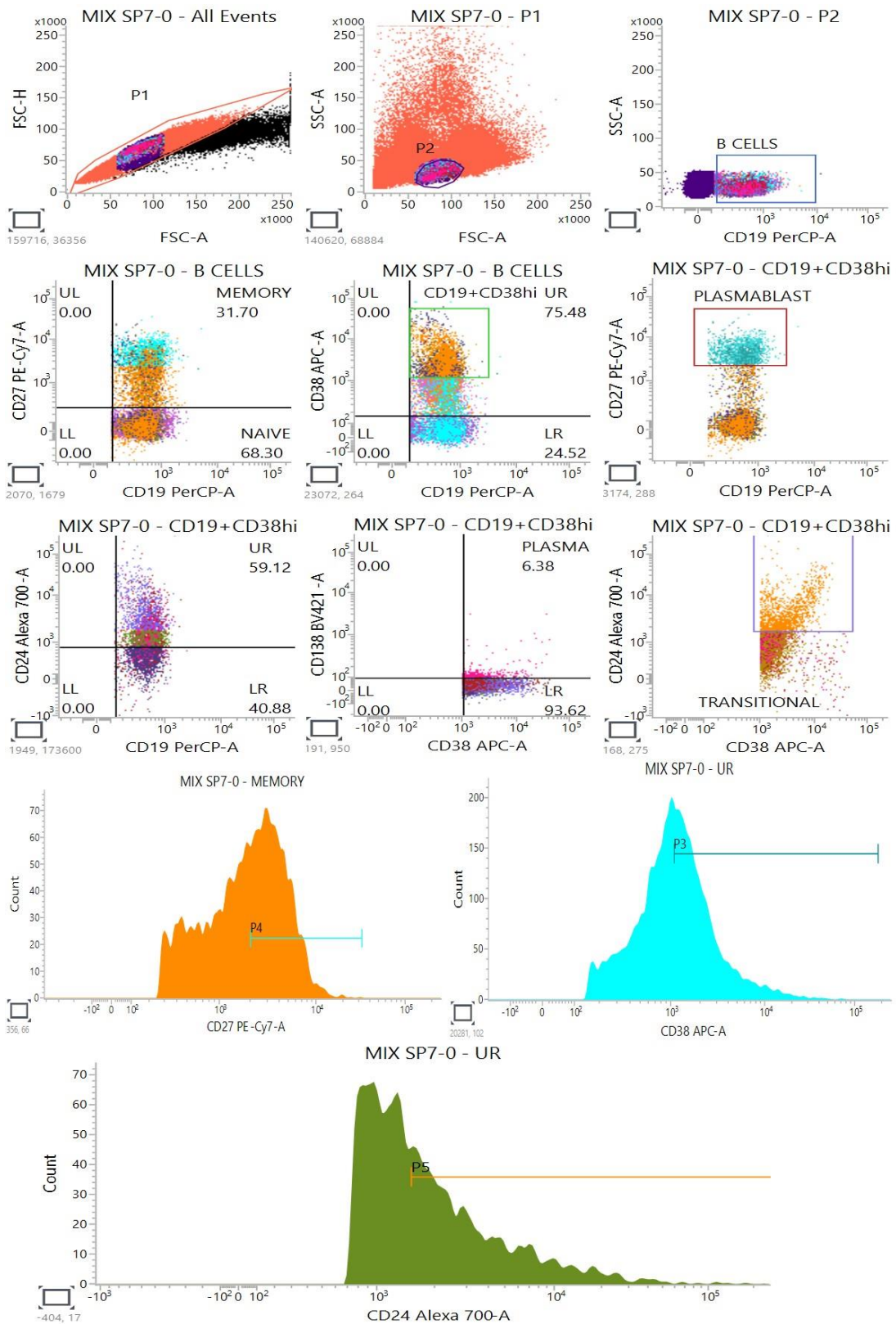


# Extracellular cytokine analysis

# Intracellular Cytokine analysis



**Intracellular Cytokine analysis:** Representative plots showing expression of intracellular cytokines (IFN-γ and TNF-α) within CD4+ and CD8+ T cells separately. Appropriate FMO controls were used to set gates.

# Peripheral memory B cell frequency



**Peripheral B cell frequency:** Immunophenotyping of different B cell subsets [CD19+ (Pan B-cell marker), CD19+CD27- (naïve), CD19+CD27+ (memory), CD19+CD38hi CD24hi (transitional), CD19+CD27hiCD38hi (plasmablasts) and CD38hi CD138+ (plasma)].

# Anti-SARS-CoV-2 antibody titres