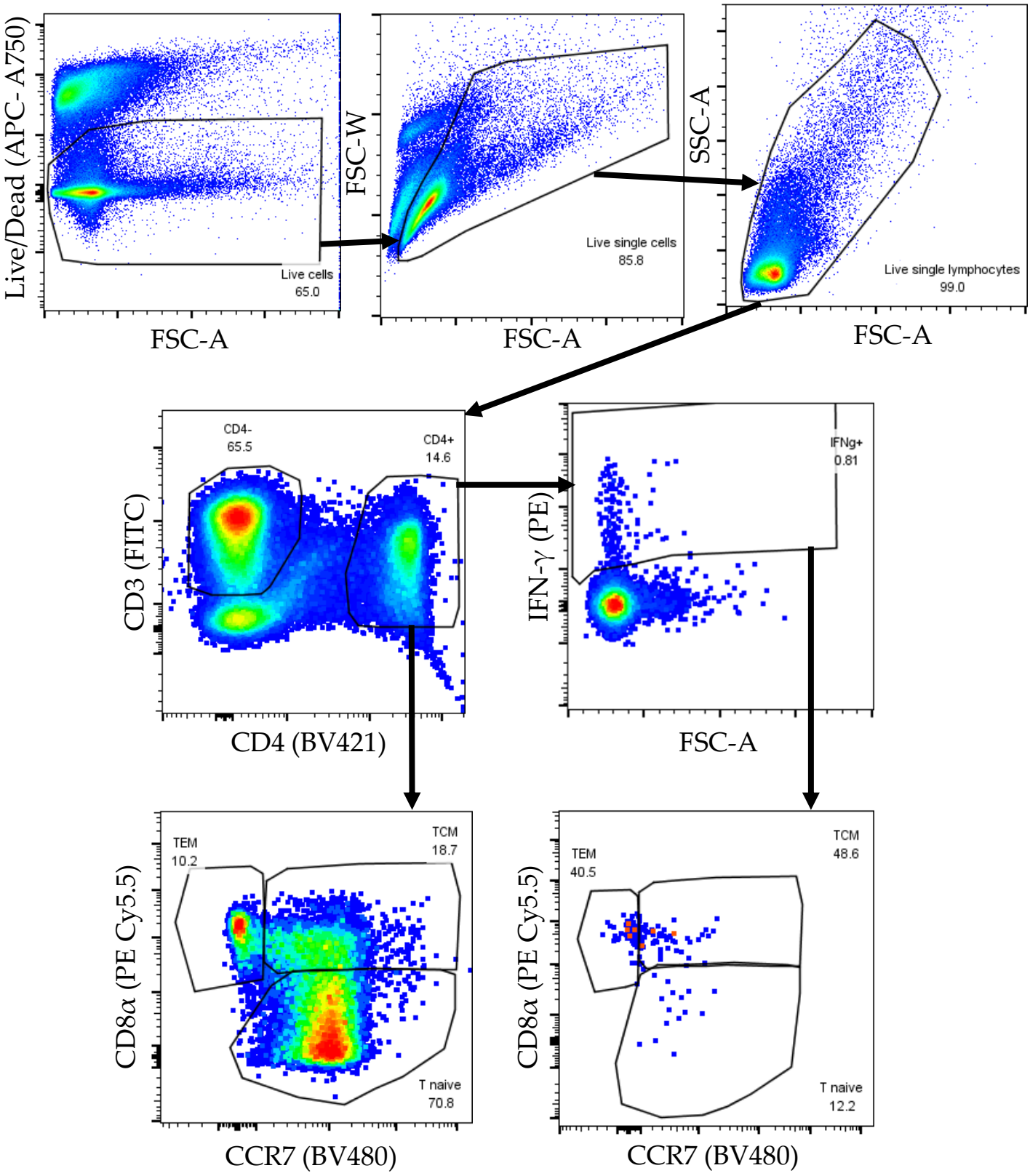

Supplementary Figure S2. Gating hierarchy for PBMC intracellular cytokine analysis via flow cytometry. Cytokine production in $CD4^+$ T-cells was analyzed via polychromatic flow cytometry. Live cells were identified by a gate on Live/Dead Near infra-red staining. Next, doublets were excluded by an FSC-A (area)/FSC-W (width) gate. Lymphocytes were then identified by cell size (FSC-A) and granularity (SSC-A). $CD4^+$ T-cells were identified via CD3 and CD4 markers and IFN-γ production was analyzed in live single $CD4^+$ T cells. $CD4^+$ and IFN-γ^+ $CD4^+$ cells were further differentiated into naïve, central and effector memory cells (T naïve, T_{CM}, T_{EM}, respectively) via CCR7 and CD8α markers. T_{CM} is $CCR7^+CD8\alpha^+$ and T_{EM} is $CCR7^-CD8\alpha^+$. Gating is based on the relevant fluorescent minus one (FMO) controls.