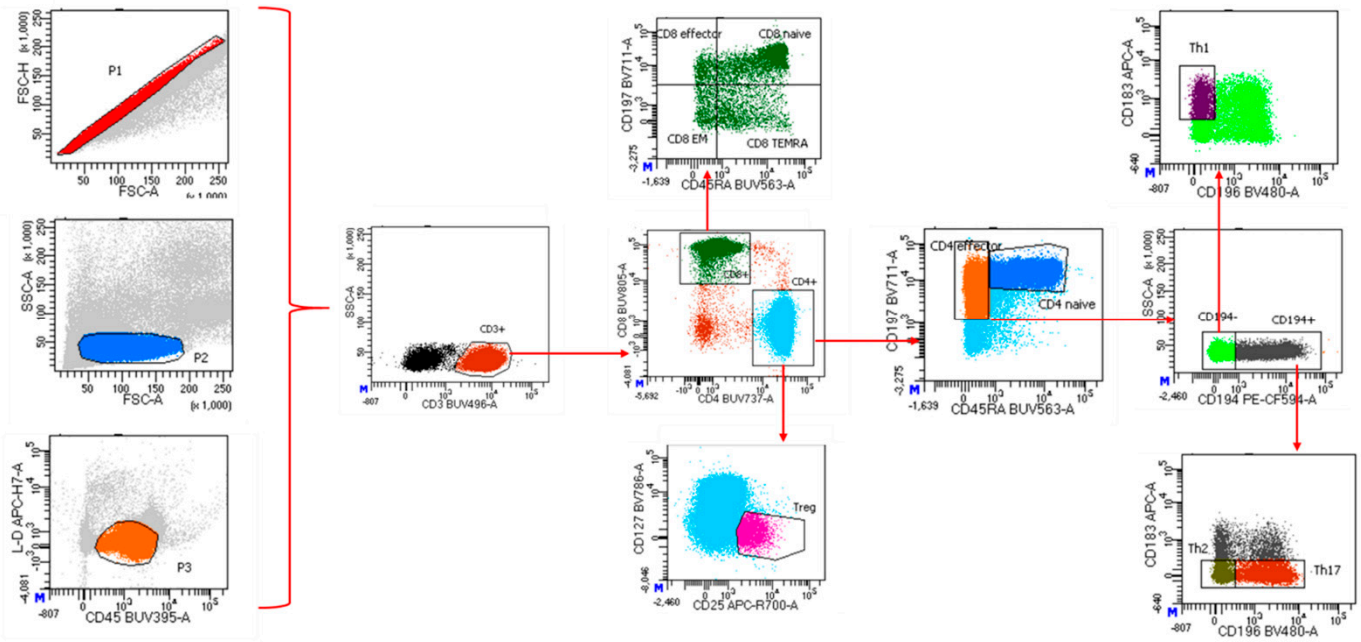


**Figure S1.** Gating strategy. Arrows describe the hierarchical sequences of analysis. Singlets were selected from the FSC-A versus FSC-H dot plot and cells were gated based on SSC-A versus FSC-A. Live lymphocytes were gated as $CD45^+$ and Fixable Viability Dye $780^-$ ($L/D^-$). T cells were identified as $CD3^+$. $CD4^+$ and $CD8^+$ T cells were identified accordingly to the expression of their surface markers. In the CD8 subset, naïve cells were classified as $CD197^+CD45RA^+$, effector cells as $CD197^+CD45RA^-$, effector memory cells as $CD197^-CD45RA^-$, and terminally differentiated effector memory cells as $CD197^-CD45RA^+$. In the CD4 subset, naïve cells were classified as $CD197^+CD45RA^+$, and effector cells as $CD197^+CD45RA^-$. Tregs cells were classified as $CD4^+CD127^-CD25^+$. T helper 1 cells were classified as $CD194^-CD183^+CD196^-$, T helper 2 as $CD194^+CD183^-CD196^-$ and T helper 17 as $CD194^+CD183^-CD196^+$.