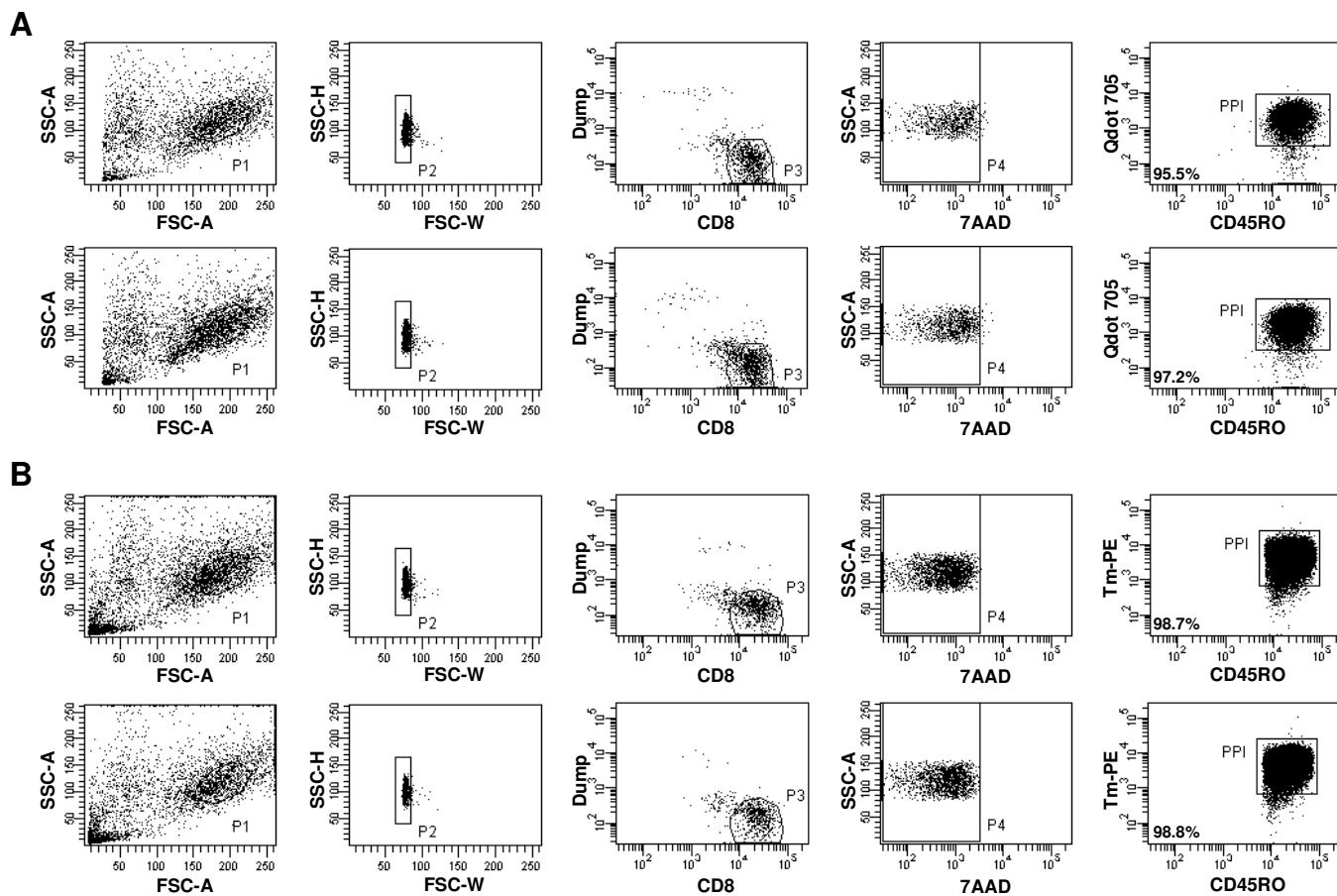
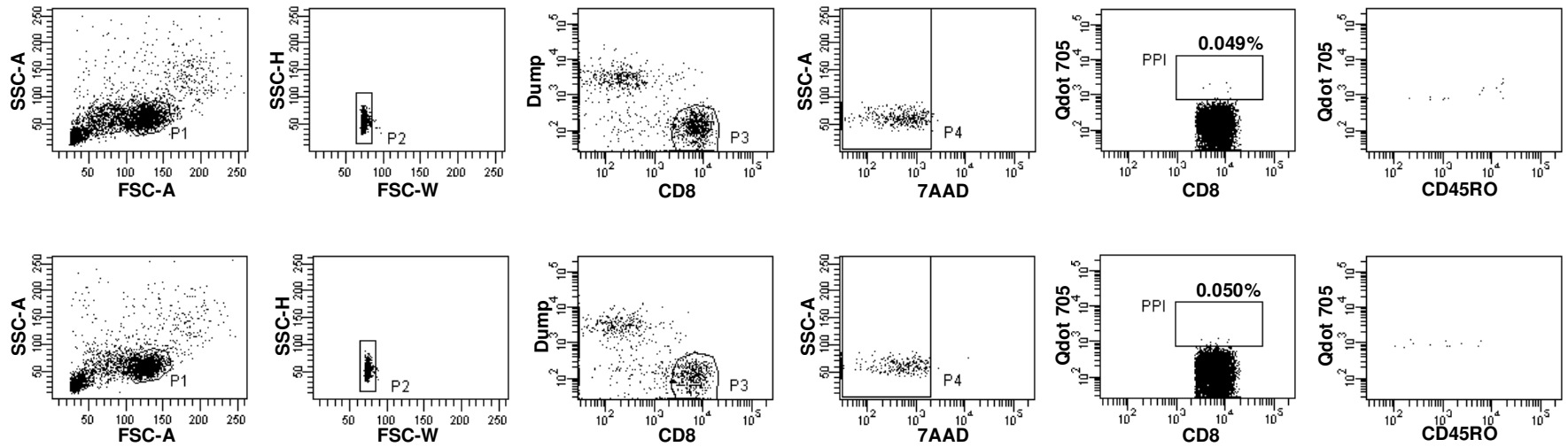


Supplementary figure 1. PPI₁₅₋₂₄ CD8 T cell clone stained with Qdot 705 (A) or with tetramer-PE (B). Viable CD8+ single T-cells were analyzed by gating lymphocytes on the basis of FSC-A and SSC-A. Subsequently single cells were gated, CD8-APC positive but dump-channel-FITC (CD4+ CD14+ CD16+ CD20+ CD40+) negative cells were gated, of which the 7-AAD positive cells were gated out. Within the viable CD8+ single T-cells, cells recognizing the PPI₁₅₋₂₄ epitope (Qdot 705 or tetramer-PE) were analyzed for CD45RO expression. Duplicates of each experiment are shown.



Supplementary figure 2. Reproducibility of the Diab-Q-kit staining. PBMCs of an islet-cell transplanted patient was stained in duplicate to detect the presence of antigen-specific CD8 T cells against the PPI₁₅₋₂₄ epitope. PPI₁₅₋₂₄ positive T cells were also analysed for CD45RO expression. The numbers plotted near the gates indicate the percentage of multimer-staining CD8 T-cells in the total CD8 T-cell population.



Supplementary Figure 3. Repeated experiments of blood samples of two recent-onset type 1 diabetic patients stained with HLA-A2 multimers loaded with the IA-2₇₉₇₋₈₀₅ peptide epitope. The numbers plotted near the gates indicate the percentage of multimer-staining CD8 T-cells in the total CD8 T-cell population.

