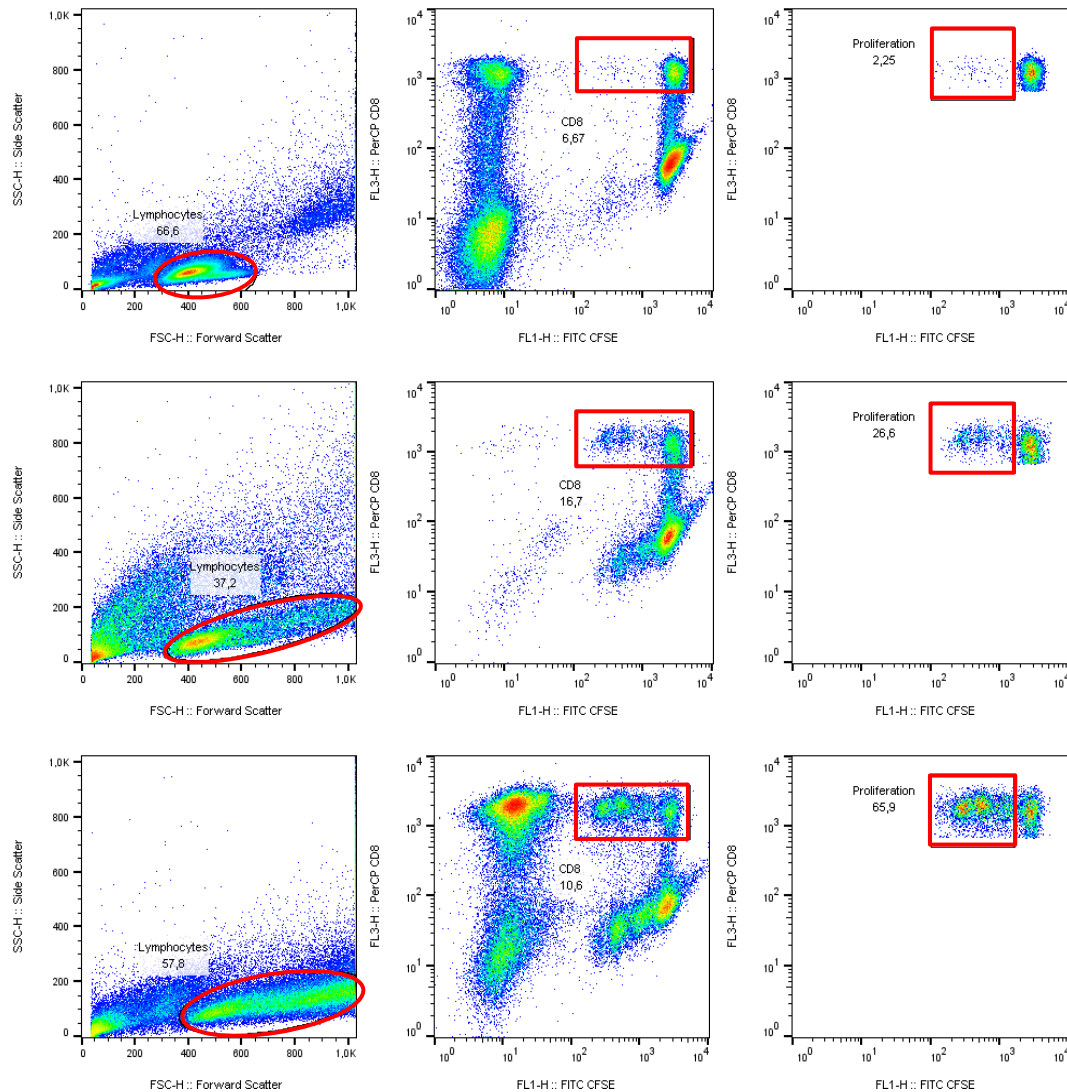**Figure S1: Gating strategies for proliferation and polyfunctions of CD8 T cells**

Proliferation of CD8 T cells

Representative dot blots and gating strategies for proliferating CD8 T cells. Each row represents the gating of one coincubation condition: the negative control (first row), the PMN-MDSCs (second row) and PBMCs depleted (third row), respectively. Details of the proliferation assay are described in the methods section. In each row, the red gate of the first panel is placed on the lymphocyte fraction in FSC and SSC. In the second panel all CD8 T cells are shown in the red gate, whereas the gate in the third panel determines the proliferated CD 8 T cells.

Polyfunctions of CD8 T cells
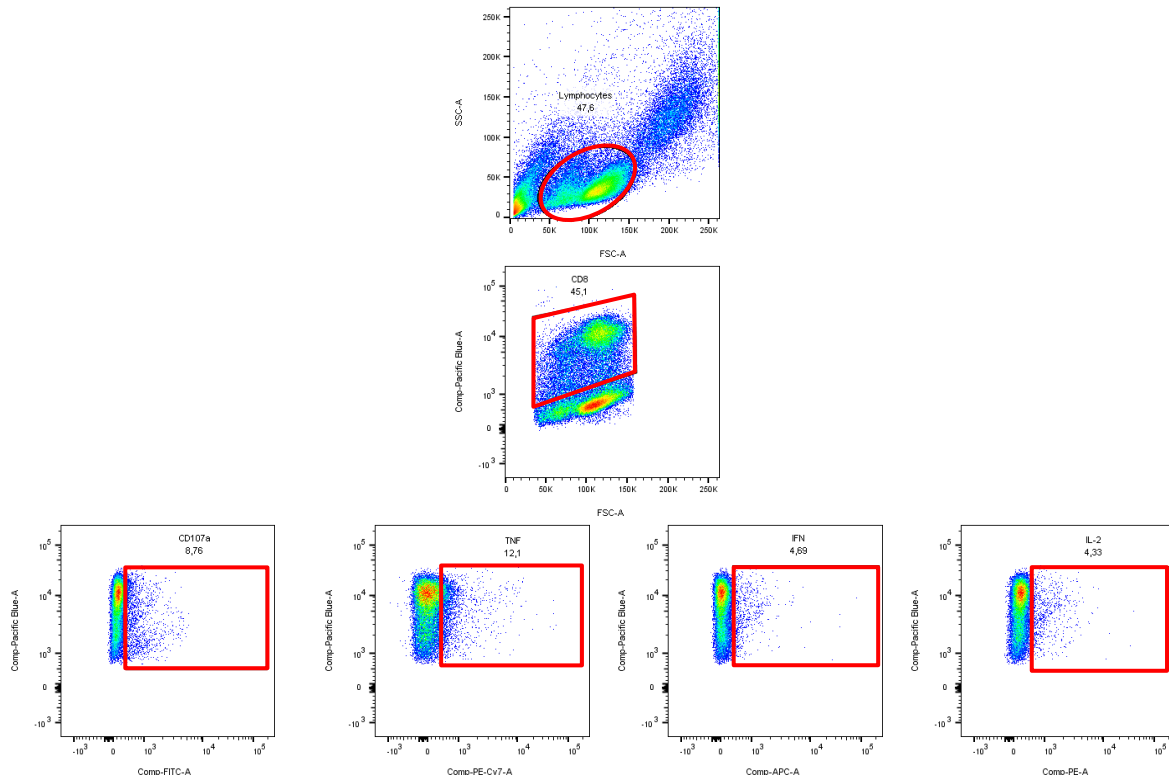
Representative dotplots and gating strategy for polyfunctions of CD8 T cells. CD8 T cells were stimulated with Nef/Rev/Tat and Gag peptides, respectively. Here, the Nef/Ref/Tat stimulation is shown (for detailed description of the assay see methods section). The red gate in the second panel (second row) shows CD8 T cells. The gates in the third row show four analysed functions of CD8 T cells: degranulation (CD107a, first panel), production of TNF alpha (second panel), interferon-gamma (third panel) and IL-2 (fourth panel), respectively. To evaluate each function, the threefold value of the negative control was subtracted of the value of stimulated cells.