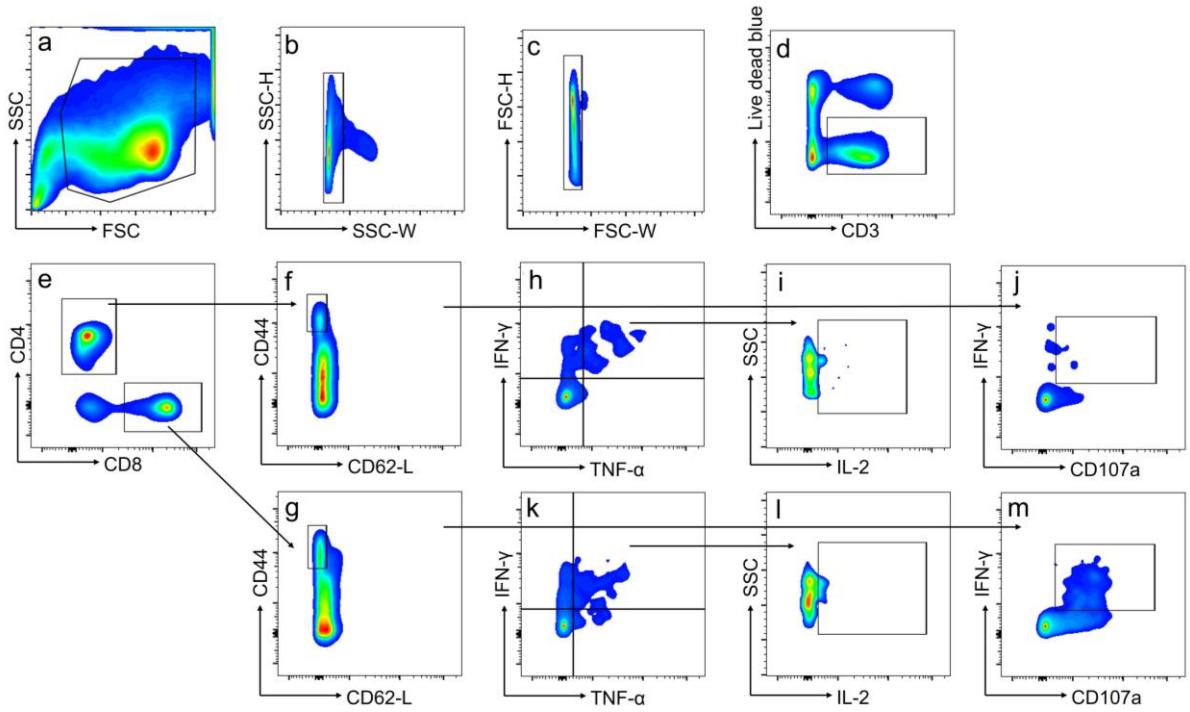
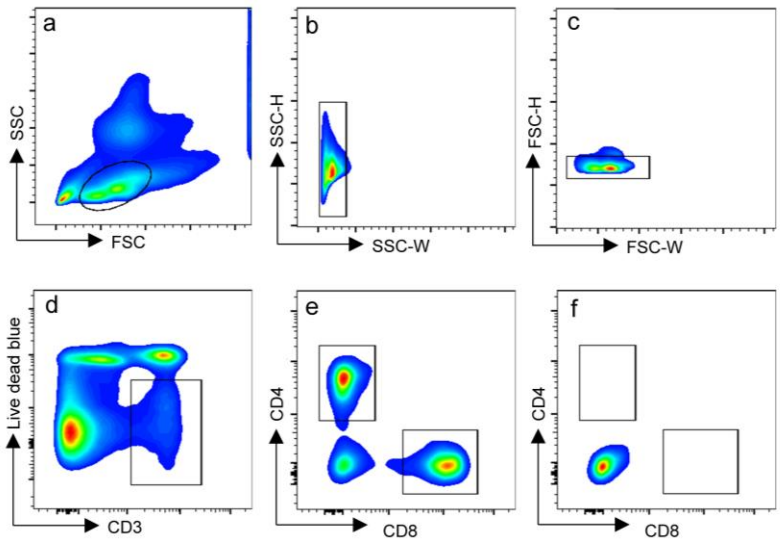



**Supplementary Figure 1. Representative gating strategy for Figure 2 experiment.**

Standardized analysis data for splenocytes from a mouse in the S+N vaccine group stimulated with $N_{219-227}$ peptide, as described in the methods. **(a)** The lymphocyte region was selected through the parameters of size and granularity (FSC x SSC), followed by the exclusion of double events **(b,c)**. Cells were selected first for viable $CD3^+$ cells **(d)**, second for $CD4^+$ or $CD8^+$ T cells **(e)**, and finally for effector memory cells ($CD44^+CD62L^-$) **(f,g)**. In the effector memory population, polyfunctional T cells were selected by expression of IFN-$\gamma^+$TNF-$\alpha^+$ **(h,k)** or IFN-$\gamma^+$TNF-$\alpha^+$IL-$2^+$ **(i,l)**, and cytotoxic lymphocytes by expression of IFN-$\gamma^+$/$CD107a^+$ **(j,m)**. For each sample, 50,000 events were acquired within the region of viable $CD3^+$ lymphocytes, and results represented as the total number of cells within this population.




**Supplementary Figure 2. Representative gating strategy for Figure 6 experiment.**

Representative data for blood cells from S+N-inoculated mice after injection with anti-CD4/CD8 or isotype control mAbs, as described in the methods. **(a)** The lymphocyte region was selected by size and granularity (FSC x SSC), followed by exclusion of double events **(b,c)**. Cells were selected for viable $CD3^+$ cells **(d)**, and then for the population of total $CD4^+$ or $CD8^+$ T cells in samples from mice injected with either isotype control Ab **(e)** or anti-CD4/CD8 Abs **(f)**. For each sample, 20,000 events were acquired within the region of viable $CD3^+$ lymphocytes.