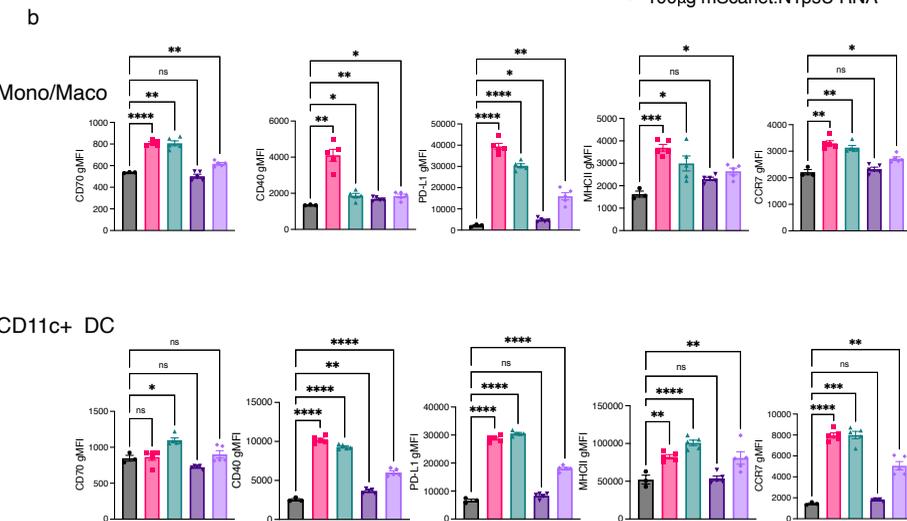
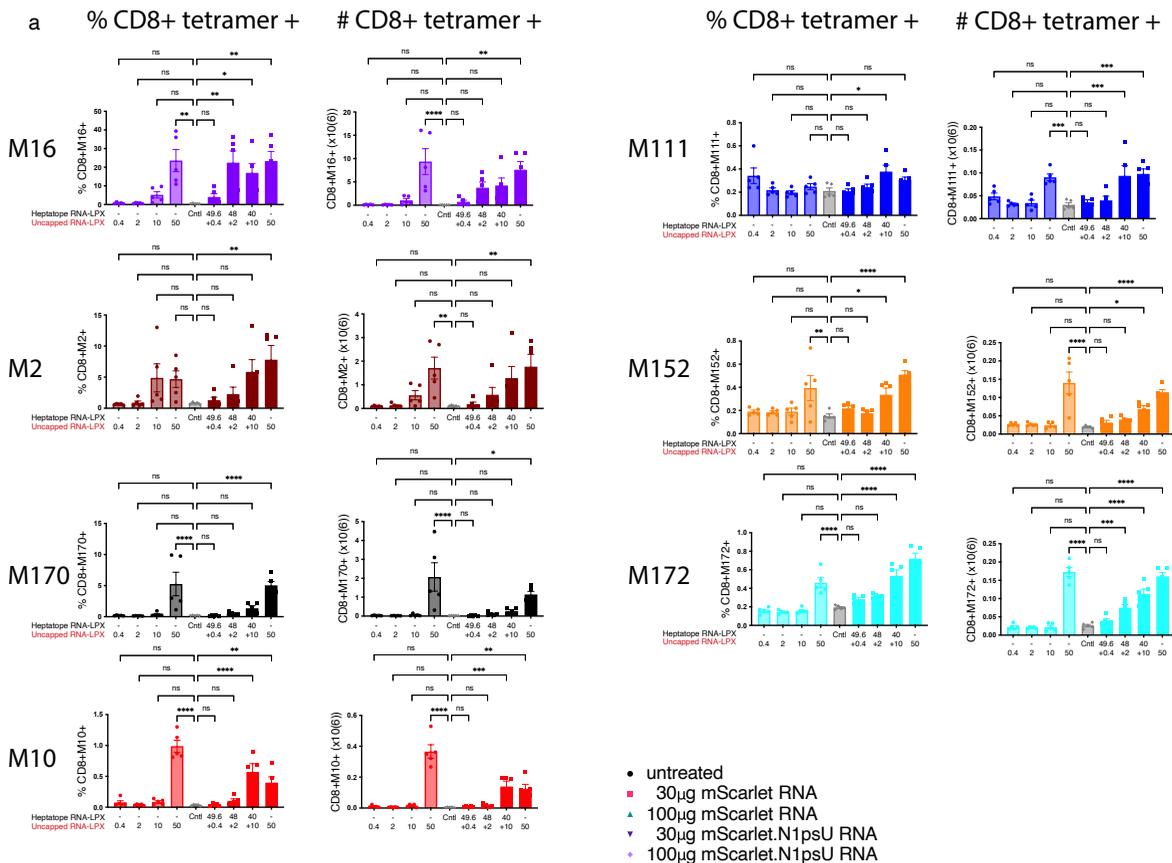


# Extended data Figure 4



## Extended Data Fig. 4.

a, C57BL/6 mice were immunized with RNA-LPX heptatope vaccine at four different concentrations, 0.4, 2, 10 or 50 $\mu$ g per mouse. In a second cohort, mice were immunized three times with the same four doses of heptatope RNA-LPX mixed with uncapped RNA to make a total RNA concentration of 50 $\mu$ g per mouse. Neoantigen-specific CD8+ T cell responses were quantified by flow cytometry in the spleen 5 days after the third immunization using pMHC-I tetramers. pMHC tetramer+ CD8+ T cells are shown as a percentage of total CD8+ T cells and the total number of neoantigen specific T cells ( $\times 10^6$ ). n=5 mice. b, C57BL/6 mice were immunized once with either 30 $\mu$ g or 100 $\mu$ g of mScarlet RNA-LPX or N1psU-modified mScarlet RNA-LPX. CD11c+ DCs or a mixed population of monocytes and macrophages were examined in the spleen. Graphs show gMFI for activation markers. n=3-5. c, Mice were immunized once with either 30 $\mu$ g or 100 $\mu$ g of heptatope RNA-LPX or N1psU-modified heptatope RNA-LPX. Six hours later, mice were bled and serum cytokines and chemokines were measured by luminex. Heatmap is based on the median expression of n=10 individual mice. Welch's anova. \*p<0.5, \*\*p<0.01, \*\*\*p<0.001, \*\*\*\*p<0.0001