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Supplementary Materials for

Protein kinase D2 is a digital amplifier of T cell receptor–stimulated diacylglycerol signaling in naïve CD8$^+$ T cells

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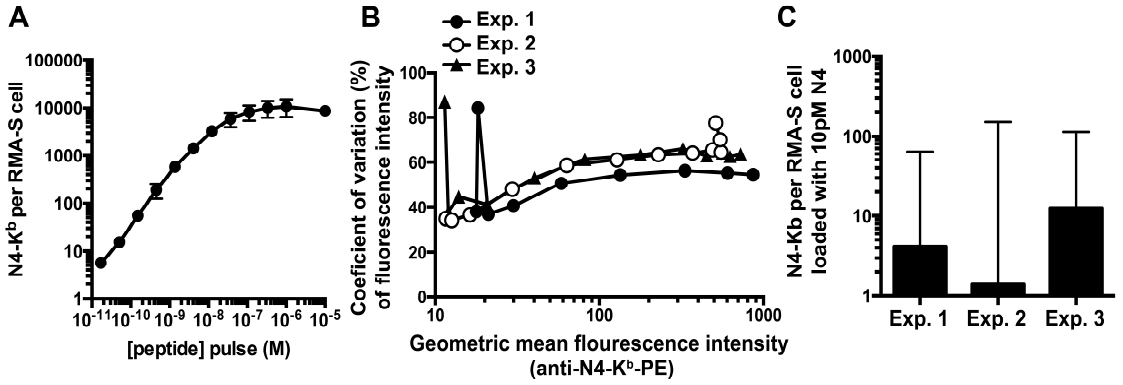

Fig. S1. Quantification of the number of pMHC molecules per RMA-S cell. RMA-S cells were loaded with different amounts of N4 peptide, stained with PE-coupled anti-N4-K^b antibody, and analyzed by flow cytometry. The number of pMHC molecules was determined by measuring the MFI of the PE-coupled anti-N4-K^b antibody with PE-Quantibrite beads. (**A**) The numbers of pMHC molecules presented per RMA cell loaded with the indicated concentrations of N4 peptide. Data are means ± SD from three independent experiments. (**B**) The coefficients of variation of the MFI data for the different concentrations of N4 peptide used in the each of the three experiments described in (A). (**C**) The distribution (MFI ± SD) of the number of pMHC molecules presented per RMA cell loaded with 1 pM N4 peptide, which was the lowest concentration of loading peptide for which $pPKD2^{Ser873}$ was detected by flow cytometry.