

**Figure S2.** (A) *Ex vivo* or IL-2 expanded NK cells derived from  $Cdk8^{fl/fl}$  and  $Cdk8^{fl/fl}Ncr1Cre$  mice were analyzed for CDK8 protein expression by western blot. (B) The surface expression of the NK1.1 receptor was assessed by analyzing the MFI of CD3·NKp46+ NK cells. Bar graph shows mean  $\pm$  SEM of two independent experiments; n=5-6. (C) Western blots from Fig. 2E were quantified and the bar graphs present mean fold of change compared to IL-2 stimulated  $Cdk8^{fl/fl}$  cells from 3 exposures  $\pm$  SEM. (D)  $Cdk8^{fl/fl}$  and  $Cdk8^{fl/fl}Ncr1Cre$  splenocytes were incubated for 4h with CFSE-stained RMA-S cells in effector-to-target ratios of 100:1, 50:1 and 10:1. The specific lysis of target cells was assessed by flow cytometry. Symbols and error bars represent mean  $\pm$  SEM of technical triplicates from one experiment. \*p < 0.05; \*\*p < 0.01.