

**Figure S1.** Expression of inhibitory receptors on Pmel-1 CD8 $^+$  cells during killing of B16F10 cells, related to **Figure 3**. The freshly isolated or the activated Pmel-1 splenocytes were co-cultured with B16F10 target cells at a CD8 $^+$  effector to target ration of 40:1 for 10 hours, followed by flow cytometry analysis. A. Histograms show Tim-3 and Lag-3 expressions on Pmel-1 CD8 $^+$  T cells. B. MFI levels of Tim-3 and Lag-3 expressed by Pmel-1 CD8 $^+$  T cells. Data are presented by mean  $\pm$  SD (n=5). \*\*\*P< 0.001; unpaired student's t-test.