Figure S1. Mixed hematopoietic chimerism protects mice from the development of HLH. A. Prf-/- mice were transplanted with mixtures of WT (CD45.1+) and prf-/- marrow after conditioning with busulfan and cyclophosphamide (50mg/kg x2 each). Twelve weeks later, animals were challenged with LCMV infection, along with intact WT and prf-/- animals. Fifteen days after infection, blood hemoglobin concentrations were assessed using a Hemavet950FS (Drew Scientific). B. Mixed WT/prf hematopoietic chimeric animals (as in A) were challenged with LCMV and followed for survival (N=18).
Figure S2. Tregs and NKT cells are not required for perforin-mediated immune regulation in vivo. A. Prf-/- mice were irradiated and reconstituted with mixtures of scurfy and prf-/- marrow. Day 8 IFN-γ levels after LCMV challenge are plotted against scurfy chimerism. B. Prf-/- mice were irradiated and reconstituted with mixtures of Jalpha281-/- and prf-/- marrow. Day 8 IFN-γ levels after LCMV challenge are plotted against Jalpha281-/- chimerism. C. CD8+ T cells from CD1-/- or prf-/- mice were transferred into prf-/- mice (after cyclophosphamide conditioning). Day 8 IFN-γ levels after LCMV challenge are plotted against CD1-/- chimerism within the CD8+ compartment.