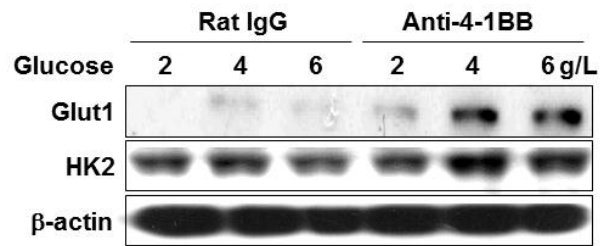


Supplemental Figure 1. Proliferation of OT-1 CD8 T cells in response to OVA-pulsed 4-1BBL^{+/+} and 4-1BBL^{-/-} dendritic cells in the presence of 2-DG or ETX.

CD11c⁺ dendritic cells were isolated from spleens of 4-1BBL^{+/+} and 4-1BBL^{-/-} C57BL/6 mice, and cultured with 100 µg/ml of OVA for 4 h. CD8⁺ T cells isolated from OT-1 mice were labeled with 10 µM CFSE, mixed with the OVA-pulsed 4-1BBL^{+/+} and 4-1BBL^{-/-} DCs in a 10:1 ratio, and cultured for 24 h. The cells were further treated with 5 mM 2-DG, 100 µM ETX, or DMSO as a control, and cultured for another 48 h. Cells were acquired with a FACSCalibur (BD Bioscience) and CFSE dilutions were analyzed with FlowJo software.



Supplemental Figure 2. GLUT1 and HK2 expression in CD8⁺ T cells in low and high glucose.

CD8⁺ T cells were suspended in RPMI₁₀ medium (2 g/L glucose) and activated with 0.1 μ g/ml anti-CD3 mAb for 16 h. The cells were treated with an additional 2 or 4 g/L glucose, and further stimulated with rat IgG or anti-4-1BB mAb for another 24 h. Western blots were performed with antibodies specific for GLUT1, HK2, and β -actin.