



Mice:

Stock No. 004191 B6.Cg-*Immp2l*^{Tg(HLA-A/H2-D)2Enge}/J (Common name: AAD)

Stock No. 000664 C57BL/6J (Common name: B6J)

Procedures: Peripheral blood (PBL) and spleen harvested from 004191 hemizygotes (n=6; 3F/3M) and 000664 (n=6; 3F/3M) for flow cytometry analysis of CD8+ cytolytic T-cells with HLA antibody [PE-conjugated HLA-A2 (clone BB7.1)].

Results: HLA expression confirmed in 004191 (top). HLA-A2 is expressed well in both PBL (left) and spleen (right) from all 004191 mice tested, CD8+ cells also showed good HLA expression. 000664 (bottom) used for negative control. Single result shown is representative of all tested mice in cohort.

Note: Antibody <https://www.thermofisher.com/antibody/product/HLA-DR-Antibody-clone-TU36-Monoclonal/MHLDR28> did not work for 004191 because it is a human antibody, whereas the hybrid class I MHC gene expressed by 004191 has the alpha-3 transmembrane and cytoplasmic domains of the mouse H-2D^d gene.