

hHLA-A2

Nomenclature	C57BL/6Smoc- <i>H2-D1</i> ^{em1(hHLA-A2)Smoc}
Cat. NO.	NM-HU-204988
Strain State	Repository Live

Gene Summary

Gene Symbol H2-D1	Synonyms	H-2D; H2-D; H2-K1
	NCBI ID	14964
	MGI ID	95896
	Ensembl ID	ENSMUSG00000073411
	Human Ortholog	HLA-A, HLA-B, HLA-C
Gene Symbol H2-D1	Synonyms	H-2D H2-D H2-K1
	NCBI ID	14964
	MGI ID	95896
	Ensembl ID	ENSMUSG00000073411
	Human Ortholog	H2-D1

Model Description

The endogenous mice H2-D1 gene was replaced by human HLA-A2 gene.

*Literature published using this strain should indicate: hHLA-A2 mice (Cat. NO. NM-HU-204988) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

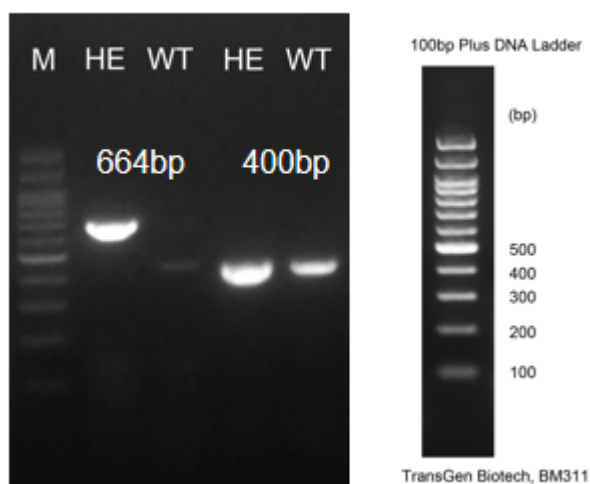


Fig1. Detection of HLA-A2 expression in spleen and intestine by RT-PCR. Wild type: only one band at 400 bp with primers F1/R1(mH2-D1);Heterozygous: one band at 400 bp with primers F1/R1(mH2-D1) and one band at 664 bp with primers F2/R2(hHLA-A2); Abbr.. M, DNA marker; HO, homozygous; HE, heterozygous; WT, wild type.

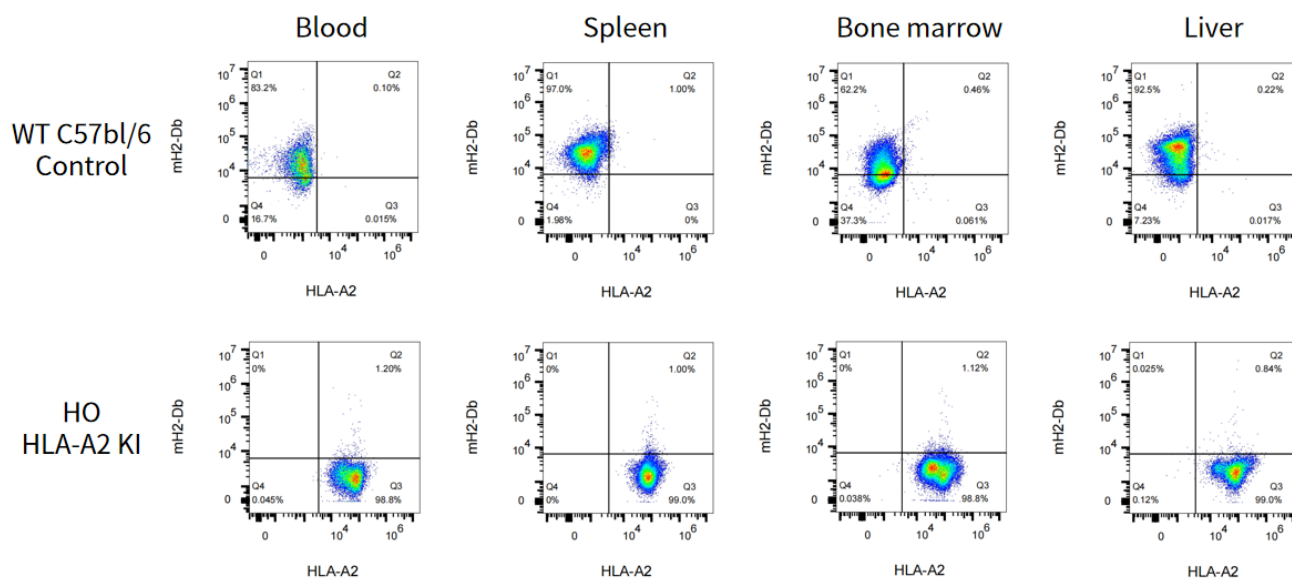


Fig2. Expression of hHLA-A2 in blood, spleen, bone marrow and Liver in HLA-A2 KI mice.

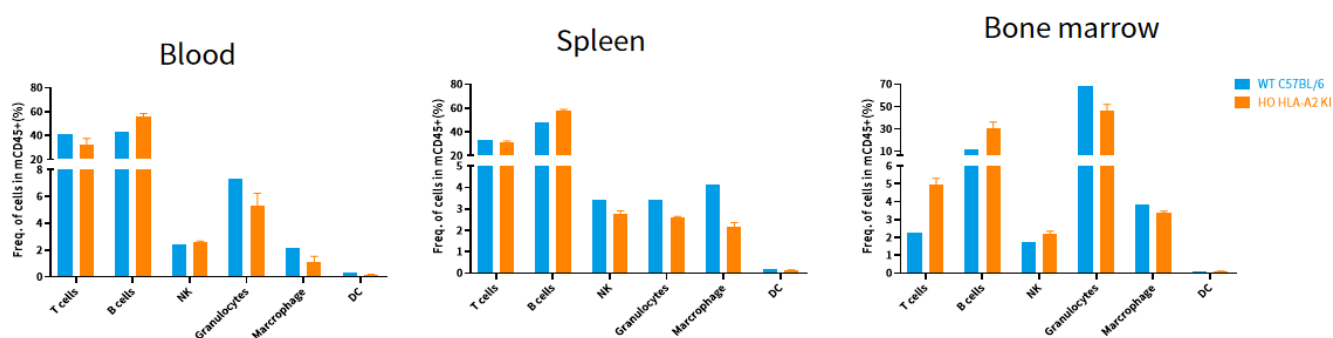


Fig3. Immunophenotyping in HLA-A2 KI mice.

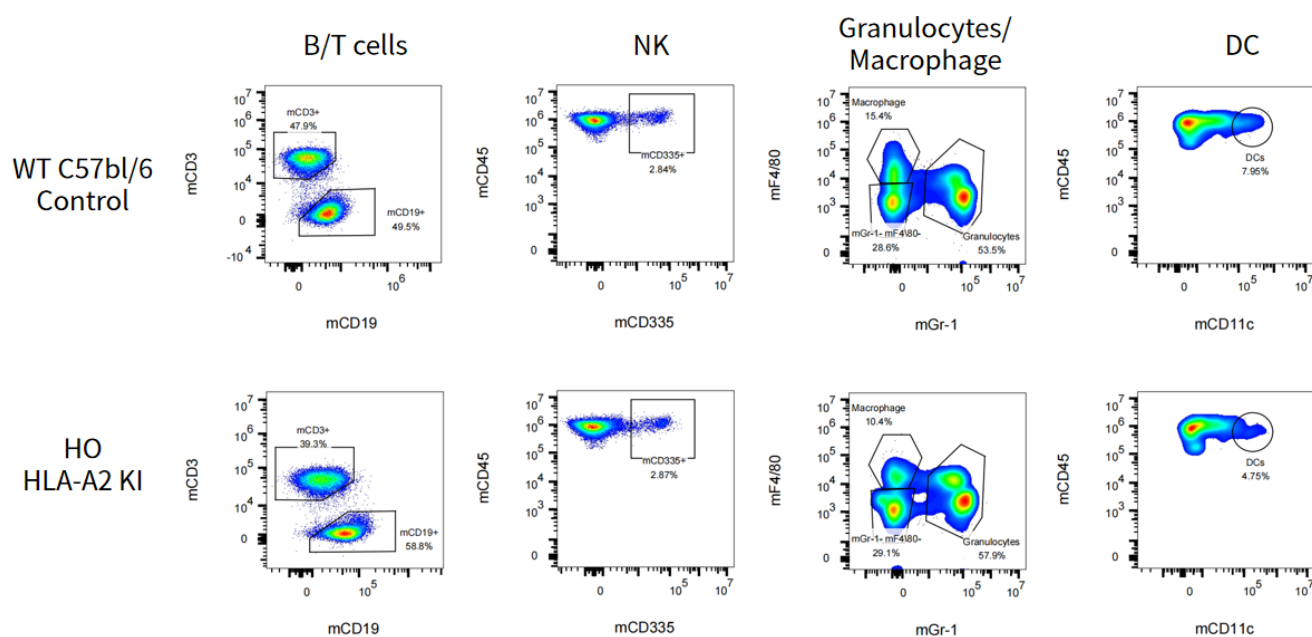


Fig4. Immunophenotyping in Blood in HLA-A2 KI mice.

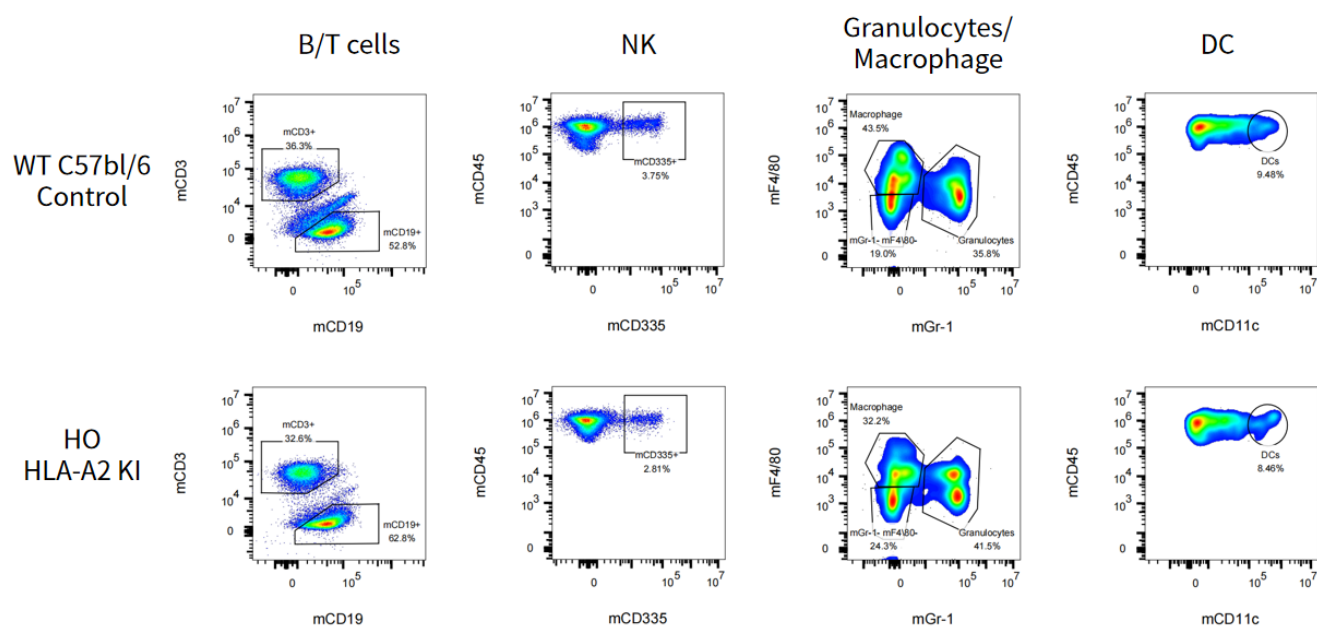


Fig5. Immunophenotyping in Spleen in HLA-A2 KI mice.

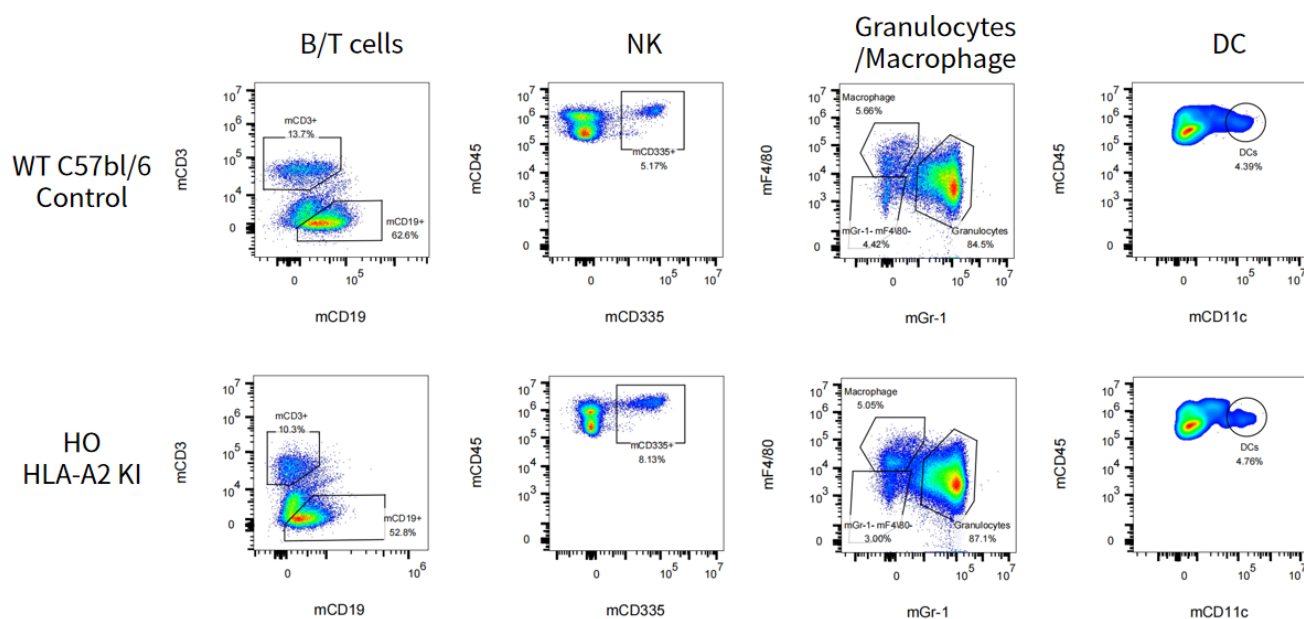


Fig6. Immunophenotyping in Bone Marrow in HLA-A2 KI mice.