HLA-A11.1/B2M(2)

品系全名	C57BL/6JSmo-*B2m*$^{tm1(hB2M\text{-}linker\text{-}HLA\text{-}A*1101/H2\text{-}D1)Smoc}$
目录号	NM-HU-241354
品系状态	活体

基因信息

基因名 **B2M**	**基因曾用名**	y-m11; beta2m; beta2-m
	NCBI ID	12010
	MGI ID	88127
	Ensembl ID	ENSMUSG00000060802
	人类同源基因	B2M

品系描述

The endogenous mouse B2m gene was replaced by hB2M-linker-HLA-A*1101/H2-D1 gene.
*使用本品系发表的文献需注明: HLA-A11.1/B2M(2) mice (Cat. NO. NM-HU-241354) were purchased from Shanghai Model Organisms Center, Inc..

验证数据

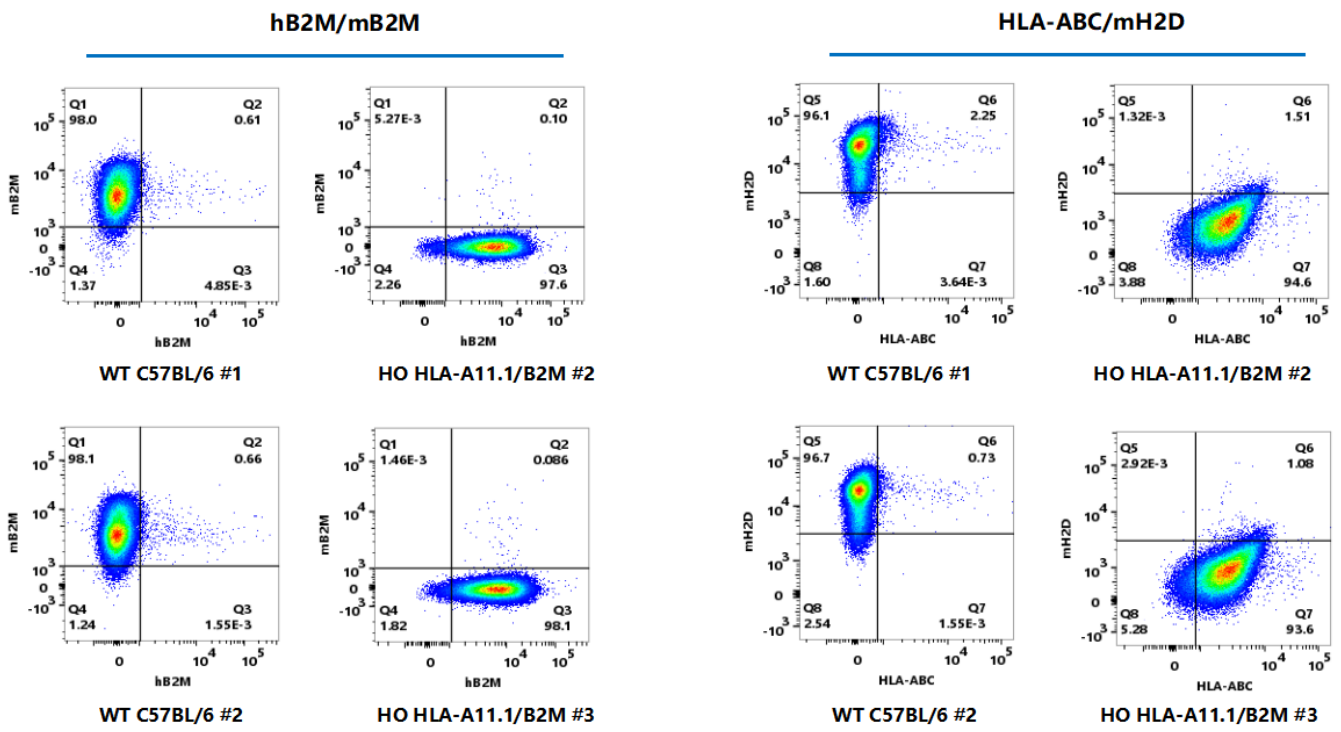

Fig.1 Expression analysis of hB2M and HLA-ABC on CD45+ cells in blood of HLA-A11.1/B2M humanized mice.

Leukocytes were collected from wild-type C57BL/6 mice(11 weeks old) and homozygous HLA-A11.1/B2M humanized mice(15.7 weeks old) , and analyzed by flow cytometry with anti-mB2M, anti-hB2M, anti-mH2D and anti-HLA-ABC. hB2M and HLA-ABC were exclusively detectable in HLA-A11.1/B2M humanized mice, whereas mB2M and mH2D were exclusively detectable in wild-type C57BL/6 mice.

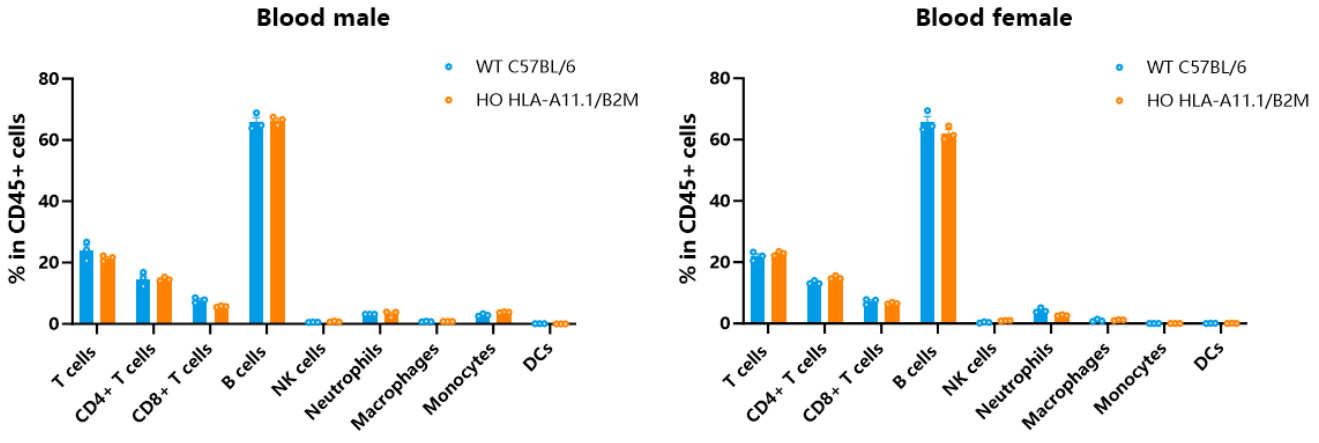

Fig.2 Analysis of immune cell subpopulations in the blood (n=3 per group).

Leukocytes were collected from the blood of wild-type C57BL/6 mice (female, 8 weeks old; male, 9 weeks) and homozygous HLA-A11.1/B2M humanized mice (9 weeks old), and Flow cytometry analysis was performed to assess leukocyte subpopulations.

Abbr. WT, wild type; HO, homozygous.

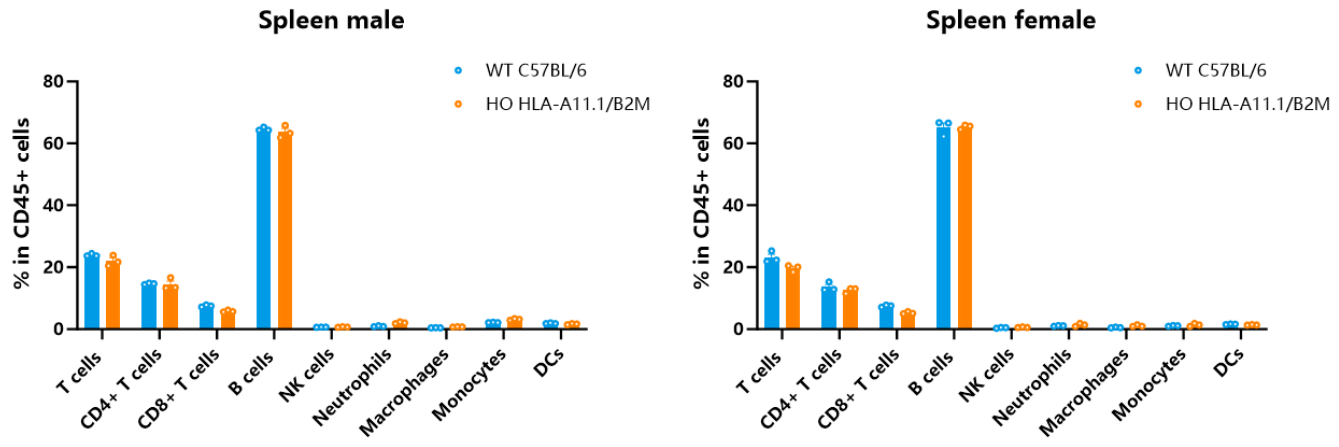

Fig.3 Analysis of immune cell subpopulations in the spleen (n=3 per group).

Leukocytes were collected from the spleens of wild-type C57BL/6 mice (female, 8 weeks old; male, 9 weeks) and homozygous HLA-A11.1/B2M humanized mice (9 weeks old), and flow cytometry analysis was performed to assess leukocyte subpopulations.

Abbr. WT, wild type; HO, homozygous.