

# B2m-KO

<b>Nomenclature</b>	C57BL/6Smoc- <i>B2m</i> <sup>em3Smoc</sup>
<b>Cat. NO.</b>	NM-KO-18021
<b>Strain State</b>	Embryo cryopreservation

## Gene Summary

<b>Gene Symbol</b> <b>B2M</b>	<b>Synonyms</b>	y-m11; beta2m; beta2-m
	<b>NCBI ID</b>	<a href="#">12010</a>
	<b>MGI ID</b>	<a href="#">88127</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000060802</a>
	<b>Human Ortholog</b>	B2M

## Model Description

Exon2-3 of B2m gene were deleted to generate Ifngr1 knockout mice.

**Research Application:** immune system

\*Literature published using this strain should indicate: B2m-KO mice (Cat. NO. NM-KO-18021) were purchased from Shanghai Model Organisms Center, Inc..

## Validation Data

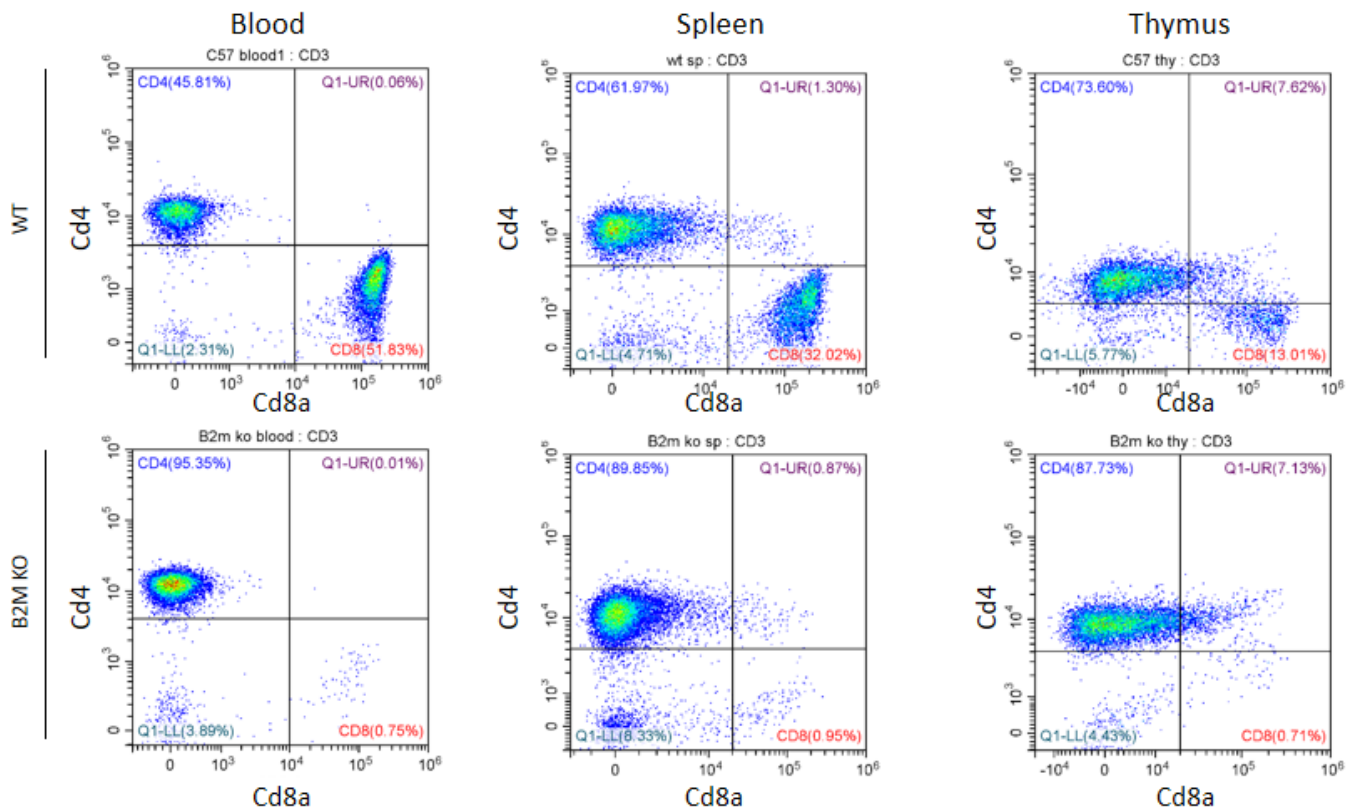


Fig1 . There are few CD8<sup>+</sup> cytotoxic T-cells and increase in CD4<sup>+</sup> T-cells in B2M knockout mice. Immune responses involving CD8<sup>+</sup>T-cells are severely deficient providing a model to assess the role of CD8<sup>+</sup> cells and class I MHC in various experimental systems.

## Publications

[Disruption of palladin results in neural tube closure defects in mice](#)

References: Mol Cell Neurosci