

# 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><br><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

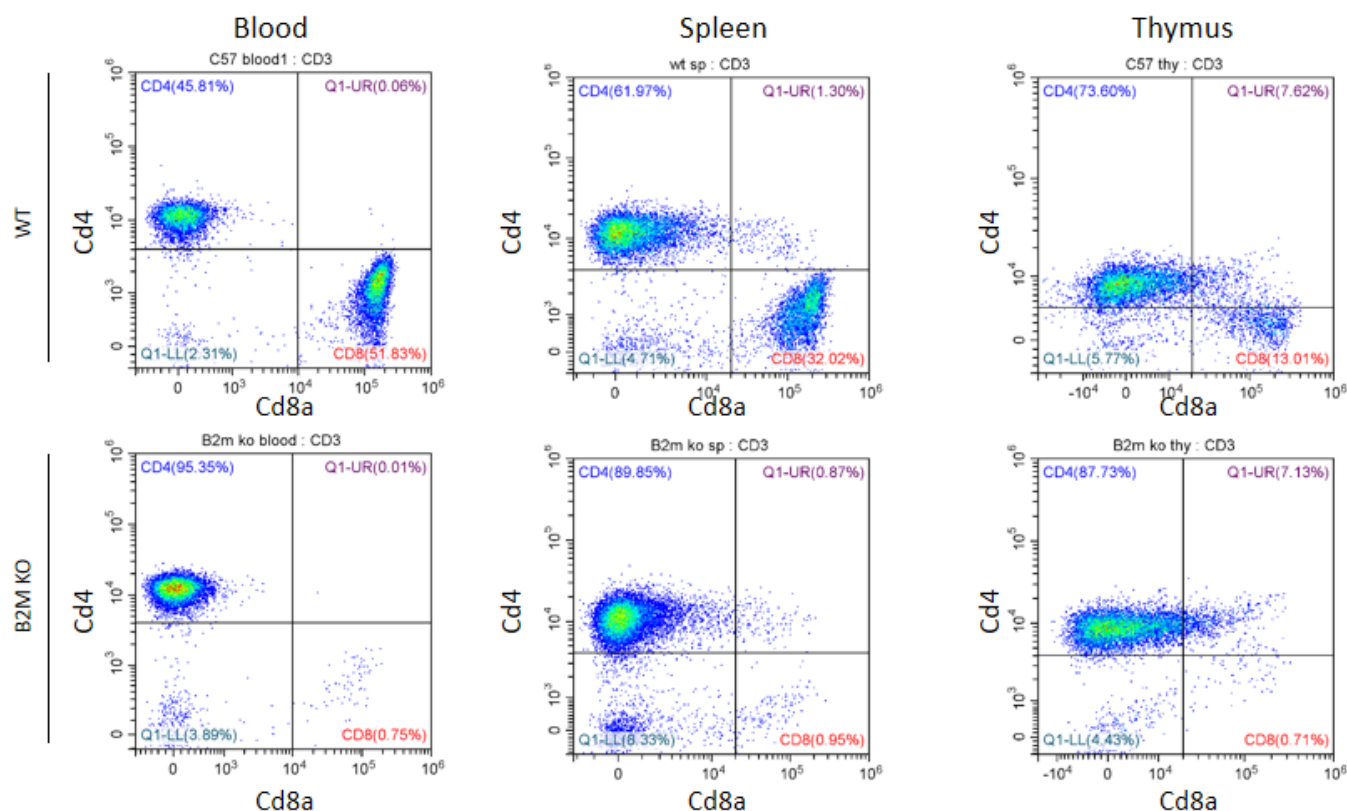


Fig1 . There are few CD8<sup>+</sup> cytotoxic T-cells and increase in CD4<sup>+</sup> T-cells in B2M knockout mice. Immune responses involving CD8<sup>+</sup>T-cells are severely deficient providing a model to assess the role of CD8<sup>+</sup> cells and class I MHC in various experimental systems.

## Publications

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

References: Mol Cell Neurosci