

B2m-KO

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

Gene Summary

Gene Symbol B2M	Synonyms	y-m11; beta2m; beta2-m
	NCBI ID	12010
	MGI ID	88127
	Ensembl ID	ENSMUSG00000060802
	Human Ortholog	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

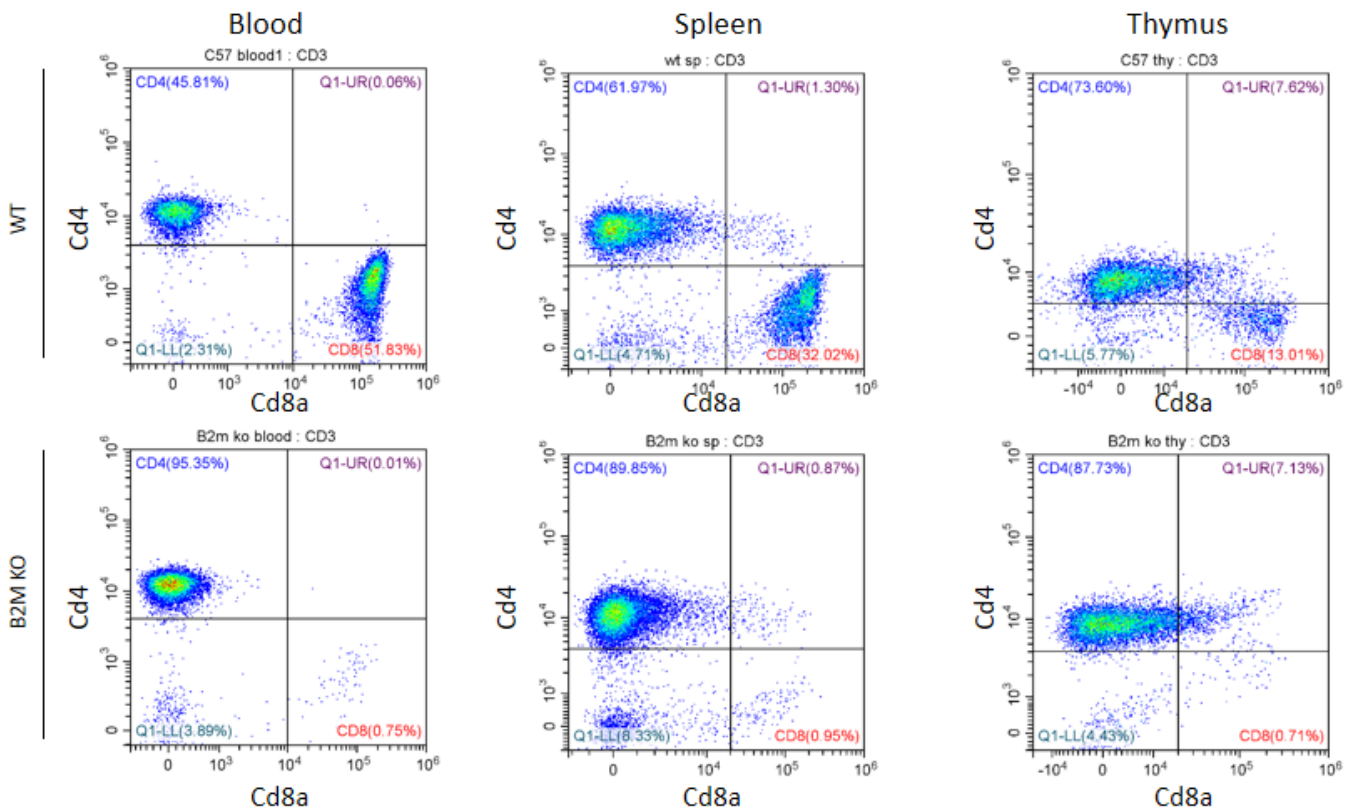


Fig1 . There are few CD8⁺ cytotoxic T-cells and increase in CD4⁺ T-cells in B2M knockout mice. Immune responses involving CD8⁺T-cells are severely deficient providing a model to assess the role of CD8⁺ cells and class I MHC in various experimental systems.

Publications

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

References: Mol Cell Neurosci