

Resource Summary Report

Generated by [NIF](#) on Aug 4, 2026

B6.129P2-B2m^{tm1Unc}/DcrJ

RRID:IMSR_JAX:002087

Type: Organism

Proper Citation

RRID:IMSR_JAX:002087

Organism Information

URL: <https://www.jax.org/strain/002087>

Proper Citation: RRID:IMSR_JAX:002087

Description: Mus musculus with name B6.129P2-B2m^{tm1Unc}/DcrJ from IMSR.

Species: Mus musculus

Synonyms: B6.129P2-B2m

Notes: gene symbol note: beta-2 microglobulin; mutant strain|congenic strain: B2m

Affected Gene: beta-2 microglobulin

Genomic Alteration: targeted mutation 1; University of North Carolina

Catalog Number: JAX:002087

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129P2-B2m^{tm1Unc}/DcrJ

Record Creation Time: 20250513T053629+0000

Record Last Update: 20260801T050334+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2-B2m^{tm1Unc}/DcrJ.

Warning: Warning. Researchers have noted that this genotype does not sufficiently model human type 1 diabetes mellitus.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 22 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Lisicka W, et al. (2025) Immunoglobulin A controls intestinal virus colonization to preserve immune homeostasis. *Cell host & microbe*, 33(4), 498.

Garcia Castillo J, et al. (2025) Cellular mechanisms underlying beneficial versus detrimental effects of bacterial antitumor immunotherapy. *Immunity*, 58(8), 2002.

Russell J, et al. (2024) Lrp10 suppresses IL7R limiting CD8 T cell homeostatic expansion and anti-tumor immunity. *EMBO reports*, 25(8), 3601.

Collins A, et al. (2024) Maternal inflammation regulates fetal emergency myelopoiesis. *Cell*, 187(6), 1402.

Waibl Polania J, et al. (2024) Antigen presentation by tumor-associated macrophages drives T cells from a progenitor exhaustion state to terminal exhaustion. *Immunity*.

Eggert J, et al. (2024) Cbl-b mitigates the responsiveness of naive CD8+ T cells that experience extensive tonic T cell receptor signaling. *Science signaling*, 17(822), eadh0439.

Li Y, et al. (2023) CCR4 and CCR7 differentially regulate thymocyte localization with distinct outcomes for central tolerance. *eLife*, 12.

Rollins MR, et al. (2023) Germline T cell receptor exchange results in physiological T cell development and function. *Nature communications*, 14(1), 528.

Sadasivam M, et al. (2023) Renal tubular epithelial cells are constitutive non-cognate stimulators of resident T cells. *Cell reports*, 42(10), 113210.

Pichler AC, et al. (2023) TCR-independent CD137 (4-1BB) signaling promotes CD8+-exhausted T cell proliferation and terminal differentiation. *Immunity*, 56(7), 1631.

Peauroi EM, et al. (2022) The ectromelia virus virulence factor C15 facilitates early viral spread by inhibiting NK cell contact. *iScience*, 25(12), 105510.

Dähling S, et al. (2022) Type 1 conventional dendritic cells maintain and guide the differentiation of precursors of exhausted T cells in distinct cellular niches. *Immunity*,

55(4), 656.

Lutes LK, et al. (2021) T cell self-reactivity during thymic development dictates the timing of positive selection. *eLife*, 10.

Sheppard S, et al. (2021) Lactate dehydrogenase A-dependent aerobic glycolysis promotes natural killer cell anti-viral and anti-tumor function. *Cell reports*, 35(9), 109210.

Rudak PT, et al. (2021) Chronic stress physically spares but functionally impairs innate-like invariant T cells. *Cell reports*, 35(2), 108979.

Lu SX, et al. (2021) Pharmacologic modulation of RNA splicing enhances anti-tumor immunity. *Cell*, 184(15), 4032.

Piersma SJ, et al. (2020) Virus infection is controlled by hematopoietic and stromal cell sensing of murine cytomegalovirus through STING. *eLife*, 9.

Liu D, et al. (2019) IL-10-Dependent Crosstalk between Murine Marginal Zone B Cells, Macrophages, and CD8⁺ Dendritic Cells Promotes *Listeria monocytogenes* Infection. *Immunity*, 51(1), 64.

Anderson CK, et al. (2019) Qa-1-Restricted CD8⁺ T Cells Can Compensate for the Absence of Conventional T Cells during Viral Infection. *Cell reports*, 27(2), 537.

Snell LM, et al. (2018) CD8⁺ T Cell Priming in Established Chronic Viral Infection Preferentially Directs Differentiation of Memory-like Cells for Sustained Immunity. *Immunity*, 49(4), 678.