

Resource Summary Report

Generated by [NIF](#) on Sep 20, 2026

B6.Cg-Rag2^{tm1.1Cgn}/J

RRID:IMSR_JAX:008449

Type: Organism

Proper Citation

RRID:IMSR_JAX:008449

Organism Information

URL: <https://www.jax.org/strain/008449>

Proper Citation: RRID:IMSR_JAX:008449

Description: Mus musculus with name B6.Cg-Rag2^{tm1.1Cgn}/J from IMSR.

Species: Mus musculus

Synonyms: B6(Cg)-Rag2/J

Notes: gene symbol note: recombination activating gene 2; mutant strain|congenic strain: Rag2

Affected Gene: recombination activating gene 2

Genomic Alteration: targeted mutation 1.1; University of Cologne

Catalog Number: JAX:008449

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Rag2^{tm1.1Cgn}/J

Record Creation Time: 20250513T053709+0000

Record Last Update: 20260919T054857+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Rag2^{tm1.1Cgn}/J.

No alerts have been found for B6.Cg-Rag2^{tm1.1Cgn}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 132 mentions in open access literature.

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

Mitchell-Flack M, et al. (2026) The ionotropic AMPA receptor contributes to autoimmunity via altered regulatory T cell differentiation. *iScience*, 29(1), 114267.

Yang W, et al. (2026) Transcription factor BHLHE40 expression in group 3 innate lymphoid cells and ROR γ t antigen-presenting cells coordinates intestinal immunity. *Immunity*.

Hao Y, et al. (2026) SENP1 facilitates the adaptation of colonic non-lymphoid tissue Treg cells and restrains intestinal inflammation. *Mucosal immunology*, 100349.

Beke F, et al. (2026) L-type voltage-gated Ca²⁺ channels control T cell killing via non-canonical Hedgehog signalling. *EMBO reports*, 27(13), 3689.

Avanessian SC, et al. (2026) IL2/IL15 Signaling Induces NK Cell Production of FLT3LG, Augmenting Anti-PD-1 Immunotherapy. *Cancer immunology research*, 14(1), 122.

Torrico EC, et al. (2026) High-fat diet causes rapid loss of intestinal group 3 innate lymphoid cells through microbiota-driven inflammation and mitochondrial stress. *Immunity*, 59(4), 988.

Yao J, et al. (2026) Activating an interleukin 4-FLT3-STAT6 axis in multipotent progenitors restores lymphopoiesis in inflammation and aging. *Immunity*, 59(7), 1843.

Selvaratnam JS, et al. (2026) HEB collaborates with TCR signaling to upregulate Id3 and enable γ T17 cell maturation in the fetal thymus. *eLife*, 14.

Hunt KS, et al. (2026) Reduced Tumor Control in Males Can Result from Impaired CD4⁺ T-cell Help through the CD40L-CD40 Pathway. *Cancer immunology research*, 14(7), 1068.

Feng Q, et al. (2026) Targeting severe acidity for tumor-activatable Interleukin-2 therapy. *Cell reports. Medicine*, 7(1), 102572.

Lynch AC, et al. (2025) A Dapl1⁺ subpopulation of naïve CD8 T cells is enriched for memory-lineage precursors. *Science advances*, 11(34), eadx5687.

Fonseca Brito L, et al. (2025) Neuropilin-1 expression modulates infection susceptibility to murine cytomegalovirus at the materno-fetal interface. *Journal of virology*, 99(12), e0161025.

Okoye GD, et al. (2025) Single-cell map of innate-like lymphocyte response to *Francisella tularensis* infection reveals interleukin-17-dependent protection by MAIT cells. *iScience*, 28(3), 111810.

Muto K, et al. (2025) Essential roles of CTCF binding sites at TAD boundaries in modulating chromatin interactions and transcriptional regulation at the *Ifng* locus. *Frontiers in immunology*, 16, 1667851.

Fachi JL, et al. (2025) Fiber- and acetate-mediated modulation of MHC-II expression on intestinal epithelium protects from *Clostridioides difficile* infection. *Cell host & microbe*, 33(2), 235.

Hesterberg RS, et al. (2025) Lymphoma accelerates T cell and tissue aging. *Cancer cell*.

Kim DV, et al. (2025) *E. coli*-activated cellular circuit restrains intestinal inflammatory microbiota-specific T cells and protects against colitis. *Cell reports*, 44(10), 116332.

Garofalo S, et al. (2025) Platelets tune fear memory in mice. *Cell reports*, 44(2), 115261.

Cho HS, et al. (2025) Structure of gut microbial glycolipid modulates host inflammatory response. *Cell*.

Li C, et al. (2025) Integrin CD103 expression in naive CD8⁺ T cells promotes cytokine-driven acquisition of memory phenotype and effector function. *Immunity*.