

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](https://fdi-lab.sci-crunch.org) on Apr 24, 2025

BALB/cJ

RRID:IMSR_JAX:000651

Type: Organism

Proper Citation

RRID:IMSR_JAX:000651

Organism Information

URL: <https://www.jax.org/strain/000651>

Proper Citation: RRID:IMSR_JAX:000651

Description: Mus musculus with name BALB/cJ from IMSR.

Species: Mus musculus

Synonyms: C. BALBc

Notes: gene symbol note: cadherin related 23 (otocadherin)|hippocampal lamination defect|beta-2 microglobulin|MX dynamin-like GTPase 1|hemoglobin beta chain complex|cytochrome c oxidase subunit 7A2 like|microwave induced increase in complement receptor B cells|zinc fingers and homeoboxes 2; inbred strain: Cdh23|Hld|B2m|Mx1|Hbb|Cox7a2|Micr|Zhx2

Affected Gene: cadherin related 23 (otocadherin)|hippocampal lamination defect|beta-2 microglobulin|MX dynamin-like GTPase 1|hemoglobin beta chain complex|cytochrome c oxidase subunit 7A2 like|microwave induced increase in complement receptor B cells|zinc fingers and homeoboxes 2

Genomic Alteration: age related hearing loss 1|hippocampal lamination defect|a variant|myxovirus susceptibility 1|d|short|non-responder|BALB/cJ

Catalog Number: JAX:000651

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: live

Alternate IDs: IMSR_JAX:651

Organism Name: BALB/cJ

Record Creation Time: 20230509T193230+0000

Record Last Update: 20250412T090207+0000

Ratings and Alerts

No rating or validation information has been found for BALB/cJ.

No alerts have been found for BALB/cJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 1590 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Allman A, et al. (2025) Splenic fibroblasts control marginal zone B cell movement and function via two distinct Notch2-dependent regulatory programs. *Immunity*, 58(1), 143.

Kim U, et al. (2025) Protocol to detect neutral lipids with BODIPY staining in myeloid-derived suppressor cells in mouse mammary tumors. *STAR protocols*, 6(1), 103485.

Arnone AA, et al. (2025) Endocrine-targeting therapies shift the breast microbiome to reduce estrogen receptor-? breast cancer risk. *Cell reports. Medicine*, 6(1), 101880.

Kim JH, et al. (2024) GABAergic/Glycinergic and Glutamatergic Neurons Mediate Distinct Neurodevelopmental Phenotypes of STXBP1 Encephalopathy. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 44(14).

Maurice NJ, et al. (2024) Steady-state, therapeutic, and helminth-induced IL-4 compromise protective CD8 T cell bystander activation. *bioRxiv : the preprint server for biology*.

Zhang B, et al. (2024) Cholesterol reduction by immunization with a PCSK9 mimic. *Cell reports*, 43(6), 114285.

Goswami D, et al. (2024) A replication competent *Plasmodium falciparum* parasite completely attenuated by dual gene deletion. *EMBO molecular medicine*, 16(4), 723.

Stijlemans B, et al. (2024) Q586B2 is a crucial virulence factor during the early stages of *Trypanosoma brucei* infection that is conserved amongst trypanosomatids. *Nature communications*, 15(1), 1779.

Hayashi N, et al. (2024) Cas9-assisted biological containment of a genetically engineered human commensal bacterium and genetic elements. *Nature communications*, 15(1), 2096.

Tedla MG, et al. (2024) Protocol for transplanting pancreatic islets into the parametrial fat pad of female mice. *STAR protocols*, 5(1), 102816.

Shi H, et al. (2024) Suppression of melanoma by mice lacking MHC-II: Mechanisms and implications for cancer immunotherapy. *The Journal of experimental medicine*, 221(12).

Lequesne L, et al. (2024) A Monoclonal Antibody with a High Affinity for Ricin Isoforms D and E Provides Strong Protection against Ricin Poisoning. *Toxins*, 16(10).

Xun Z, et al. (2024) Identification of Hypoxia-ALCAM^{high} Macrophage- Exhausted T Cell Axis in Tumor Microenvironment Remodeling for Immunotherapy Resistance. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 11(33), e2309885.

Cullum E, et al. (2024) Deficiency in non-classical major histocompatibility class II-like molecule, H2-O confers protection against *Staphylococcus aureus* in mice. *PLoS pathogens*, 20(6), e1012306.

Zhao S, et al. (2024) Bioluminescence Imaging of Potassium Ion Using a Sensory Luciferin and an Engineered Luciferase. *Journal of the American Chemical Society*, 146(19), 13406.

Grant MT, et al. (2024) Cellular trafficking and fate mapping of cells within the nervous system after in utero hematopoietic cell transplantation. *Communications biology*, 7(1), 1624.

Riley JS, et al. (2024) Preexisting maternal immunity to AAV but not Cas9 impairs in utero gene editing in mice. *The Journal of clinical investigation*, 134(12).

Anderson MJ, et al. (2024) Broad-spectrum inflammasome inhibition by thiomuscimol. *Cell death discovery*, 10(1), 470.

Merritt EF, et al. (2024) Toxoplasma type II effector GRA15 has limited influence in vivo. *PloS one*, 19(3), e0300764.

Reed C, et al. (2024) Does tolerance to ethanol-induced ataxia explain the sensitized response to ethanol? *Frontiers in psychiatry*, 15, 1418490.