

Resource Summary Report

Generated by [NIF](#) on Sep 3, 2026

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: MX dynamin-like GTPase 1|cadherin related 23 (otocadherin)|hemoglobin beta chain complex|cytochrome c oxidase subunit 7A2 like|beta-2 microglobulin|hippocampal lamination defect|zinc fingers and homeoboxes 2|microwave induced increase in complement receptor B cells; inbred strain: Mx1|Cdh23|Hbb|Cox7a2|B2m|Hld|Zhx2|Micr1

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

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

Catalog Number: JAX:000651

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: BALB/cJ

Record Creation Time: 20250513T053620+0000

Record Last Update: 20260829T044909+0000

Ratings and Alerts

- Used for genotyping by the Human Islet Research Network community. Contact(s): Seung Kim, Charles Chang, Simona Chera, Pedro Herrera - Human Islets Research Network <https://hirnetwork.org/>

No alerts have been found for BALB/cJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 1907 mentions in open access literature.

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

Luo J, et al. (2026) Discovery of the late autophagy inhibitor FZU0045053 and its anti-breast cancer and immunomodulatory effects. International journal of oncology, 68(1).

Lam C, et al. (2026) Agonistic CD40 elicits CD8+ T-cell-dependent primary responses and CD4+ T-cell-dependent long-term immunity in breast cancer. NPJ breast cancer, 12(1), 25.

Chockalingam K, et al. (2026) Dual-mode ClfA-targeting DARPins protect against diverse methicillin-resistant Staphylococcus aureus strains. bioRxiv : the preprint server for biology.

Frost EL, et al. (2026) Alloantibody IgG subclasses have differential activity in clearing transfused platelets in mice. Blood advances, 10(8), 2592.

Choi RB, et al. (2026) The orally available SIK2/SIK3 inhibitor SK-124 increases bone mass in hypogonadal male mice. JBMR plus, 10(4), zia032.

Kleeman SO, et al. (2026) Ectopic NMDAR expression in cancer unmasks germline-encoded autoimmunity. Nature, 653(8116), 1216.

Ntita M, et al. (2026) Prophylactic Inhaled Pattern Recognition Receptor Agonists Reprogram Lung Epithelial Response and Prevent Type 2 Allergic Inflammation. European journal of immunology, 56(4), e70172.

Wong SQ, et al. (2026) Chemotherapy-induced activation of caspase-1 and IL-1 β release by cancer cells remotely skews myelopoiesis to drive pro tumorigenic systemic neutrophil-dominant inflammation. *Nature communications*, 17(1).

Campbell JM, et al. (2026) Swine reporter model for preclinical evaluation and characterization of gene delivery vectors. *Molecular therapy. Advances*, 34(2), 201729.

Zhou Z, et al. (2026) Advanced CD276-Targeting Dual-Payload Antibody-Drug Conjugates for Cancer Therapy. *Cancer research communications*, 6(4), 898.

Ettou S, et al. (2026) FOXC2 and WT1 regulate transcriptional reprogramming during the podocyte response to injury. *JCI insight*, 11(11).

Zhang Y, et al. (2026) Preoperative exercise induces anti-tumor Kupffer cells to prevent surgical stress-promoted colorectal cancer liver metastasis. *Cell reports. Medicine*, 7(2), 102589.

Ott SE, et al. (2026) VDJ-Insights: simplifying the annotation of genomic immunoglobulin and T cell receptor regions. *Bioinformatics (Oxford, England)*, 42(4).

Monteiro AC, et al. (2026) OPG-Producing B Cells and RANKL-Expressing T Cells Define Immune Signatures Predictive of Bone Metastases in Breast Cancer. *Cancer research communications*, 6(1), 85.

Nguyen CL, et al. (2026) *Enterococcus faecalis* induces MHC-II expression by the intestinal epithelium during murine graft-versus-host disease. *Blood*, 147(13), 1485.

Denroche HC, et al. (2026) Islet amyloid disrupts MHC class II antigen presentation and delays autoimmune diabetes in NOD mice. *Diabetologia*, 69(4), 987.

Liu Y, et al. (2026) PROTAC-based synthetic lethality strategy endogenously activates systemic STING to boost antitumor immunity. *Science advances*, 12(9), eado7448.

Sanchez-Martin I, et al. (2026) Maternal-fetal immune conflict contributes to male-specific impairments in a mouse model of neurodevelopmental disorders. *bioRxiv : the preprint server for biology*.

Roome RB, et al. (2026) Ontogeny of the spinal cord dorsal horn. *Science (New York, N.Y.)*, 391(6781), eadx5781.

Zambrano-Arguello L, et al. (2026) Substrate secretion by different EHEC secretion systems during their interaction with epithelial cells. *Virulence*, 17(1), 2634461.