

Resource Summary Report

Generated by SPARC SAWG on Aug 9, 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: hemoglobin beta chain complex|cadherin related 23 (otocadherin)|zinc fingers and homeoboxes 2|microwave induced increase in complement receptor B cells|cytochrome c oxidase subunit 7A2 like|MX dynamin-like GTPase 1|beta-2 microglobulin|hippocampal lamination defect; inbred strain: Hbb|Cdh23|Zhx2|Micr|Cox7a2l|Mx1|B2m|Hld

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

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

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: 20260808T050822+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 [SPARC SAWG](#) .

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

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 DARPIn biologics protect against diverse methicillin-resistant Staphylococcus aureus strains. bioRxiv : the preprint server for biology.

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).

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

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.

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).

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

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

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

Hou J, et al. (2026) The choroidal macrophage polarization significantly influences myopia development in murine models. *iScience*, 29(5), 115764.

Inzerillo PC, et al. (2026) Strain-Dependent Protective Innate Immunity Against *Pneumocystis Pneumonia* in Mice. *Journal of fungi (Basel, Switzerland)*, 12(4).

Jiang F, et al. (2026) Inhibition of histone demethylase LSD1 suppresses CD47 expression and enhances efficacy of CD47 blockade in breast cancer. *Journal for immunotherapy of cancer*, 14(6).

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

Christenson JL, et al. (2026) Metastasis-Associated Wound Repair Promotes Reciprocal Lung Epithelium Activation and Breast Cancer Metastatic Outgrowth. *Cancer research communications*, 6(4), 750.

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.

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

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.

Sillen M, et al. (2026) *Saccharomyces cerevisiae* reduces vulvovaginal candidiasis severity through modulation of fungal pathogenicity and inflammatory responses. *Nature communications*, 17(1).