

Resource Summary Report

Generated by T1D on Sep 17, 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: zinc fingers and homeoboxes 2|beta-2 microglobulin|hippocampal lamination defect|cytochrome c oxidase subunit 7A2 like|microwave induced increase in complement receptor B cells|MX dynamin-like GTPase 1|cadherin related 23 (otocadherin)|hemoglobin beta chain complex; inbred strain: Zhx2|B2m|Hld|Cox7a2|Micr1|Mx1|Cdh23|Hbb

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

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

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: 20260912T060405+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 [T1D](#).

Luo J, et al. (2026) Discovery of the late autophagy inhibitor FZU?0045?053 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 DARPin biologics 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), ziag032.

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).

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).