

Resource Summary Report

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

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

Genomic Alteration: myxovirus susceptibility 1|short|a variant|hippocampal lamination defect|age related hearing loss 1|BALB/cJ|non-responder|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: 20260725T044328+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 1772 mentions in open access literature.

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

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).

Coon-Haworth MR, et al. (2026) 3D printed collimators and dosimetry for spatially fractionated radiation therapy. Journal of applied clinical medical physics, 27(1), e70422.

Bhavsar D, et al. (2026) Structural and functional characterization of the antigenicity of influenza A virus hemagglutinin subtype H15. Cell reports, 45(1), 116773.

Rainwater RR, et al. (2026) DNA-PKcs controls the cytotoxic T cell response to cancer and transplant allograft through regulating LAT-dependent signaling. Cell reports, 45(1), 116796.

Galeano Niño JL, et al. (2026) Tumor-infiltrating bacteria disrupt cancer epithelial cell interactions and induce cell-cycle arrest. Cancer cell, 44(1), 166.

Khan F, et al. (2026) Microglial TBK1 Signaling Promotes Breast Cancer Brain Metastasis. Cancer research, 86(1), 12.

Zhong T, et al. (2026) Anti-NSCLC efficacy of a novel ROR1/PI3K?/BRD4 multi-target inhibitor. Bioorganic & medicinal chemistry, 132, 118483.

Yokoyama Y, et al. (2026) A novel calcium influx inducer and a TLR7 agonist are synergistic co-adjuvants that enhance cross-reactive immunity against influenza in young and aged mice. Vaccine, 74, 128189.

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.

Zhao Y, et al. (2026) Magnetic fluorescent carbon dots synthesized via one-pot approach for tumor photothermal therapy. *iScience*, 29(1), 114366.

Carlson HL, et al. (2026) MYST acetyltransferases are a targetable therapeutic vulnerability in SETBP1-mutant leukemia. *bioRxiv : the preprint server for biology*.

Hetrick B, et al. (2025) Suppression of viral rebound by a Rev-dependent lentiviral particle in SIV-infected rhesus macaques. *Gene therapy*, 32(1), 16.

Esparza S, et al. (2025) Transient Lymphatic Remodeling Follows Sub-Ablative High-Frequency Irreversible Electroporation Therapy in a 4T1 Murine Model. *Annals of biomedical engineering*, 53(5), 1148.

Li W, et al. (2025) Maintenance of graft tissue-resident Foxp3+ cells is necessary for lung transplant tolerance in mice. *The Journal of clinical investigation*, 135(10).

Palzkill VR, et al. (2025) A 6-Minute Limb Function Assessment for Therapeutic Testing in Experimental Peripheral Artery Disease Models. *JACC. Basic to translational science*, 10(1), 88.

Orso R, et al. (2025) Sex-Specific Effects of Early-Life Stress Exposure on Memory Performance and the Medial Prefrontal Cortex Transcriptomic Pattern in Adolescent Mice. *Molecular neurobiology*, 62(7), 8728.

Dumont V, et al. (2025) GLPG2737, a CFTR Inhibitor, Prevents Cyst Growth in Preclinical Models of Autosomal Dominant Polycystic Kidney Disease. *American journal of nephrology*, 56(6), 802.

Cruz-Cruz AD, et al. (2025) B Cells as a Host of Persistent Salmonella Typhimurium. *Immunology*, 175(3), 292.

Biswas A, et al. (2025) Susceptibility and shedding in Mx1+ and Mx1- female mice experimentally infected with dairy cattle A(H5N1) influenza viruses. *EBioMedicine*, 118, 105842.

Christensen KE, et al. (2025) Low Dietary Folate Increases Developmental Delays in the Litters of Mthfr677TT Mice. *Nutrients*, 17(15).