

Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

B6.Cg-Lgals3^{tm1Poi}/J

RRID:IMSR_JAX:006338

Type: Organism

Proper Citation

RRID:IMSR_JAX:006338

Organism Information

URL: <https://www.jax.org/strain/006338>

Proper Citation: RRID:IMSR_JAX:006338

Description: Mus musculus with name B6.Cg-Lgals3^{tm1Poi}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: lectin; galactose binding; soluble 3; mutant strain|congenic strain: Lgals3

Affected Gene: lectin; galactose binding; soluble 3

Genomic Alteration: targeted mutation 1; Francoise Poirier

Catalog Number: JAX:006338

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Lgals3^{tm1Poi}/J

Record Creation Time: 20250513T053656+0000

Record Last Update: 20260912T060441+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Lgals3^{tm1Poi}/J.

No alerts have been found for B6.Cg-Lgals3^{tm1Poi}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Zhong X, et al. (2024) Distinct ROR γ t-dependent Th17 immune responses are required for autoimmune pathogenesis and protection against bacterial infection. *Cell reports*, 43(11), 114951.

Zhang L, et al. (2024) Regulation of muscle hypertrophy through granulin: Relayed communication among mesenchymal progenitors, macrophages, and satellite cells. *Cell reports*, 43(4), 114052.

Kang YA, et al. (2023) Secretory MPP3 reinforce myeloid differentiation trajectory and amplify myeloid cell production. *The Journal of experimental medicine*, 220(8).

Bülck C, et al. (2023) Proteolytic processing of galectin-3 by meprin metalloproteases is crucial for host-microbiome homeostasis. *Science advances*, 9(13), eadf4055.

Al-Salam S, et al. (2022) Early Doxorubicin Myocardial Injury: Inflammatory, Oxidative Stress, and Apoptotic Role of Galectin-3. *International journal of molecular sciences*, 23(20).

Tabel M, et al. (2022) Genetic targeting or pharmacological inhibition of galectin-3 dampens microglia reactivity and delays retinal degeneration. *Journal of neuroinflammation*, 19(1), 229.

Margeta MA, et al. (2022) Apolipoprotein E4 impairs the response of neurodegenerative retinal microglia and prevents neuronal loss in glaucoma. *Immunity*, 55(9), 1627.

Snarr BD, et al. (2020) Galectin-3 enhances neutrophil motility and extravasation into the airways during *Aspergillus fumigatus* infection. *PLoS pathogens*, 16(8), e1008741.

Ferrer MF, et al. (2018) Macrophages and Galectin 3 Control Bacterial Burden in Acute and Subacute Murine Leptospirosis That Determines Chronic Kidney Fibrosis. *Frontiers in cellular and infection microbiology*, 8, 384.

Chaudoin TR, et al. (2018) Mice lacking galectin-3 (Lgals3) function have decreased home cage movement. *BMC neuroscience*, 19(1), 27.

Beccaria CG, et al. (2018) Galectin-3 deficiency drives lupus-like disease by promoting spontaneous germinal centers formation via IFN- γ . *Nature communications*, 9(1), 1628.

Chen YC, et al. (2017) Galectin-3 Negatively Regulates Hippocampus-Dependent Memory Formation through Inhibition of Integrin Signaling and Galectin-3 Phosphorylation. *Frontiers in molecular neuroscience*, 10, 217.

Frenkel D, et al. (2016) *Trypanosoma brucei* Co-opts NK Cells to Kill Splenic B2 B Cells. *PLoS pathogens*, 12(7), e1005733.

Darrow AL, et al. (2015) Galectin-3 deficiency exacerbates hyperglycemia and the endothelial response to diabetes. *Cardiovascular diabetology*, 14, 73.

Pang J, et al. (2013) Increased adiposity, dysregulated glucose metabolism and systemic inflammation in Galectin-3 KO mice. *PloS one*, 8(2), e57915.