Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 12, 2025

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: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: live

Alternate IDs: IMSR_JAX:6338

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

Record Creation Time: 20230509T193250+0000

Record Last Update: 20250412T090356+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: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 15 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

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.

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

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-?. 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.