Resource Summary Report

Generated by T1D on Sep 16, 2026

B6.129P2-Lyz2$^{tm1(cre)Ifo}$/J

RRID:IMSR_JAX:004781
Type: Organism

Proper Citation

RRID:IMSR_JAX:004781

Organism Information

URL: https://www.jax.org/strain/004781

Proper Citation: RRID:IMSR_JAX:004781

Description: Mus musculus with name B6.129P2-Lyz2$^{tm1(cre)Ifo}$/J from IMSR.

Species: Mus musculus

Synonyms: B6.129-Lyzs/J. B6.129P2-Lyzs/J

Notes: gene symbol note: |lysozyme 2; mutant strain|congenic strain: |Lyz2

Affected Gene: |lysozyme 2

Genomic Alteration: targeted mutation 1; Irmgard Forster

Catalog Number: JAX:004781

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129P2-Lyz2$^{tm1(cre)Ifo}$/J

Record Creation Time: 20250513T053646+0000

Record Last Update: 20260912T060431+0000

Ratings and Alerts

- Used for humanized mouse by the Human Islet Research Network community. Contact(s): Bobbie-Jo Webb-Robertson, Bernhard Maier, Wenting Wu, Sarah Tersey - Human Islets Research Network https://hirnetwork.org/

No alerts have been found for B6.129P2-Lyz2$^{tm1(cre)Ifo}$/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 388 mentions in open access literature.

Listed below are recent publications. The full list is available at T1D .

Xu Y, et al. (2026) Glutamine metabolism tunes myeloid responses to drive resolution of inflammation during skin repair. Cell reports, 45(3), 117001.

Kaur H, et al. (2026) Dynamicity of Topoisomerase 1 binding at super-enhancers regulates TLR-responsive gene expression program in macrophages. Cell reports, 45(7), 117604.

Yamada C, et al. (2026) Porphyromonas gingivalis-Derived Virulence Lipids Accelerate Osteoclastogenesis Independently of High Mobility Group Box Protein-1 Canonical Signaling. Molecular oral microbiology, 41(2), 85.

Kureshi CTS, et al. (2026) Dendritic cell redundancy enables priming of anti-tumor CD4+ T cells in pancreatic cancer. Cancer cell, 44(7), 1381.

Shein SA, et al. (2026) Selective elimination of circulating effector CD8 T cells via LT?R blockade separates anti-CD137 efficacy from toxicity. Science advances, 12(17), eaea8737.

Zhang P, et al. (2026) Sympathetic-epithelial crosstalk governs tissue-resident memory T cell immunosurveillance in the skin. Cell, 189(5), 1323.

McCourt B, et al. (2026) C9orf72 in myeloid cells prevents an inflammatory response to microbial glycogen. Cell reports, 45(2), 116906.

Pham LK, et al. (2026) NRF2-mediated inhibition of alveolar macrophage MHC II expression during Mycobacterium tuberculosis infection. Cell reports, 45(6), 117397.

Keith YH, et al. (2026) CSF1R-dependent CD169-positive macrophages locally constrain melanoma growth in the skin. The Journal of experimental medicine, 223(7).

Davanzo GG, et al. (2026) Temporal control of macrophage pro-inflammatory phenotype by a biphasic HIF-1? regulatory program. Molecular cell.

Liu J, et al. (2026) Extracellular GPX4 impairs antitumor immunity via dendritic ZP3 receptors. Cell.

Dedloff MR, et al. (2026) Interferon lambda signaling to maternal dendritic cells protects against congenital Zika virus infection. bioRxiv : the preprint server for biology.

Vanneste D, et al. (2026) MafB is a conserved transcriptional regulator of macrophage development and functional identity across tissues and species. Immunity, 59(3), 559.

Stahr N, et al. (2026) STAT4-dependent regulation of neuroinflammation in atherosclerosis. Physiological reports, 14(7), e70856.

Liu X, et al. (2026) Claudins interact with LILRB immune inhibitory receptors to promote myeloid immunosuppression in cancer. Science immunology, 11(118), eadt7832.

Zhang H, et al. (2026) Uncovering spatially resolved functional genomics with CRISPR screen sequencing. Cell, 189(15), 4594.

Liang Z, et al. (2026) Tumor cells metabolically resist immune-checkpoint therapy by macrophage efferocytosis-mediated fatty acid recycling. Cancer cell, 44(6), 1235.

Xie X, et al. (2026) Repression of RIPK1 kinase by INPP5D inhibits expression of diverse proinflammatory mediators and late-onset Alzheimer's disease risk factors. Immunity, 59(2), 419.

Dev S, et al. (2026) ATP7B-maintained copper stores in myeloid progenitors are required for functional maturation of neutrophils. Cell reports, 45(2), 116955.

Haggadone MD, et al. (2026) Environmental Amino Acid Sensing Regulates the Rate of ASC Translation and NLRP3 Inflammasome Assembly. bioRxiv : the preprint server for biology.