

Resource Summary Report

Generated by [Kravitz](#) on Sep 20, 2026

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

Record Creation Time: 20250513T053646+0000

Record Last Update: 20260919T054836+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)lfo/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 [Kravitz](#) .

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.

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

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

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

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

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

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 α 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.

Ino H, et al. (2026) IL-18 produced by pregnant uterus promotes essential inflammatory responses and fetoplacental growth. *Cell reports*, 45(1), 116865.

Lin SC, et al. (2026) MyD88 signaling in myeloid cells induces gastrointestinal tract injury and systemic inflammation after West Nile virus infection. *Cell reports*, 45(1), 116852.

Feng J, et al. (2026) The electrophilic metabolite of kynurenine, kynurenine-CKA, requires C151 in Keap1 to derepress Nrf2. *Redox biology*, 90, 104009.