

Resource Summary Report

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C57BL/6-Tg(CAG-EGFP)131Osb/LeySopJ

RRID:IMSR_JAX:006567

Type: Organism

Proper Citation

RRID:IMSR_JAX:006567

Organism Information

URL: <https://www.jax.org/strain/006567>

Proper Citation: RRID:IMSR_JAX:006567

Description: Mus musculus with name C57BL/6-Tg(CAG-EGFP)131Osb/LeySopJ from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Tg(ACTB-EGFP)1Osb/LeySopJ. C57BL/6-Tg(ACTB-EGFP)131Osb/LeySopJ. C57BL/6-Tg(ACTB-EGFP)1Osb/LeySopJ. C57BL/6-Tg(CAGG-EGFP)1Ley/J

Notes: gene symbol note: |transgene insertion 131; Research Institute for Microbial Diseases; Osaka University; coisogenic strain|mutant strain: |Tg(CAG-EGFP)131Osb

Affected Gene: |transgene insertion 131; Research Institute for Microbial Diseases; Osaka University

Genomic Alteration: transgene insertion 131; Research Institute for Microbial Diseases; Osaka University

Catalog Number: JAX:006567

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: C57BL/6-Tg(CAG-EGFP)131Osb/LeySopJ

Record Creation Time: 20250513T053657+0000

Record Last Update: 20260725T044409+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6-Tg(CAG-EGFP)131Osb/LeySopJ.

No alerts have been found for C57BL/6-Tg(CAG-EGFP)131Osb/LeySopJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 52 mentions in open access literature.

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

Lombroso SI, et al. (2025) Microglia replacement by peripheral delivery of CSF1R inhibitor-resistant hematopoietic cells. Molecular therapy : the journal of the American Society of Gene Therapy.

Takahashi K, et al. (2025) Diet-induced obesity induces oxidative stress and enhances H3K4me3 levels, driving nonresolving inflammation and myelopoiesis in hematopoietic stem and progenitor cells. Journal of immunology (Baltimore, Md. : 1950).

Bastos J, et al. (2025) Monocytes can efficiently replace all brain macrophages and fetal liver monocytes can generate bona fide SALL1+ microglia. Immunity, 58(5), 1269.

Wang F, et al. (2025) Blockade of TSP-1/CD47 signal axis promotes donor hematopoietic engraftment by improving SEC/MK niche function. iScience, 28(3), 111952.

Aisenberg WH, et al. (2025) Direct microglia replacement reveals pathologic and therapeutic contributions of brain macrophages to a monogenic neurological disease. Immunity, 58(5), 1254.

Cebrian-Silla A, et al. (2025) Neural stem cell relay from B1 to B2 cells in the adult mouse ventricular-subventricular zone. Cell reports, 44(3), 115264.

Hohsfield LA, et al. (2025) Identification of the velum interpositum as a meningeal-CNS route for myeloid cell trafficking into the brain. Neuron, 113(15), 2455.

Gitlin AD, et al. (2024) N4BP1 coordinates ubiquitin-dependent crosstalk within the I κ B kinase family to limit Toll-like receptor signaling and inflammation. Immunity, 57(5), 973.

Rosmus DD, et al. (2024) Redefining the ontogeny of hyalocytes as yolk sac-derived tissue-resident macrophages of the vitreous body. Journal of neuroinflammation, 21(1), 168.

Kao YR, et al. (2024) An iron rheostat controls hematopoietic stem cell fate. *Cell stem cell*, 31(3), 378.

Simats A, et al. (2024) Innate immune memory after brain injury drives inflammatory cardiac dysfunction. *Cell*, 187(17), 4637.

Aceves M, et al. (2023) Developmental stage of transplanted neural progenitor cells influences anatomical and functional outcomes after spinal cord injury in mice. *Communications biology*, 6(1), 544.

Garcia-Bonilla L, et al. (2023) Brain and blood single-cell transcriptomics in acute and subacute phases after experimental stroke. *bioRxiv : the preprint server for biology*.

Mishra R, et al. (2023) Mechanopathology of biofilm-like *Mycobacterium tuberculosis* cords. *Cell*, 186(23), 5135.

Chen L, et al. (2023) TGFB1 induces fetal reprogramming and enhances intestinal regeneration. *Cell stem cell*, 30(11), 1520.

Ozga AJ, et al. (2022) CXCL10 chemokine regulates heterogeneity of the CD8⁺ T cell response and viral set point during chronic infection. *Immunity*, 55(1), 82.

Pitonak M, et al. (2022) Effects of biological sex mismatch on neural progenitor cell transplantation for spinal cord injury in mice. *Nature communications*, 13(1), 5380.

Sakita JY, et al. (2022) Mast cell-T cell axis alters development of colitis-dependent and colitis-independent colorectal tumours: potential for therapeutically targeting via mast cell inhibition. *Journal for immunotherapy of cancer*, 10(10).

Zhang X, et al. (2022) Rejuvenation of the aged brain immune cell landscape in mice through p16-positive senescent cell clearance. *Nature communications*, 13(1), 5671.

Ramírez-Jarquín UN, et al. (2022) Rhes protein transits from neuron to neuron and facilitates mutant huntingtin spreading in the brain. *Science advances*, 8(12), eabm3877.