

Resource Summary Report

Generated by [NIF](#) on Sep 11, 2026

C57BL/6J-Trem2^{em1Adiuj}/J

RRID:IMSR_JAX:027918

Type: Organism

Proper Citation

RRID:IMSR_JAX:027918

Organism Information

URL: <https://www.jax.org/strain/027918>

Proper Citation: RRID:IMSR_JAX:027918

Description: Mus musculus with name C57BL/6J-Trem2^{em1Adiuj}/J from IMSR.

Species: Mus musculus

Synonyms: C57BL/6J-Trem2/J. C57BL/6J-Trem2/J

Notes: gene symbol note: triggering receptor expressed on myeloid cells 2; coisogenic strain|mutant strain: Trem2

Affected Gene: triggering receptor expressed on myeloid cells 2

Genomic Alteration: endonuclease-mediated mutation 1; MODEL-AD Center

Catalog Number: JAX:027918

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: C57BL/6J-Trem2^{em1Adiuj}/J

Record Creation Time: 20250513T053802+0000

Record Last Update: 20260905T044539+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6J-Trem2^{em1Adiuj}/J.

No alerts have been found for C57BL/6J-Trem2^{em1Adiuj/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Abel TR, et al. (2025) Trem2R47H and reduced TREM2 expression both mimic human Alzheimer's disease signatures in mice. bioRxiv : the preprint server for biology.

Yu ZY, et al. (2025) Roles of blood monocytes carrying TREM2R47H mutation in pathogenesis of Alzheimer's disease and its therapeutic potential in APP/PS1 mice. Alzheimer's & dementia : the journal of the Alzheimer's Association, 21(2), e14402.

Scheiblich H, et al. (2024) Microglia rescue neurons from aggregate-induced neuronal dysfunction and death through tunneling nanotubes. Neuron, 112(18), 3106.

Bancaro N, et al. (2023) Apolipoprotein E induces pathogenic senescent-like myeloid cells in prostate cancer. Cancer cell, 41(3), 602.

Liu W, et al. (2020) Trem2 promotes anti-inflammatory responses in microglia and is suppressed under pro-inflammatory conditions. Human molecular genetics, 29(19), 3224.