

Resource Summary Report

Generated by SPARC SAWG on Sep 1, 2026

B6;129-Mertk^{tm1Gr1}/J

RRID:IMSR_JAX:011122

Type: Organism

Proper Citation

RRID:IMSR_JAX:011122

Organism Information

URL: <https://www.jax.org/strain/011122>

Proper Citation: RRID:IMSR_JAX:011122

Description: Mus musculus with name B6;129-Mertk^{tm1Gr1}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: MER proto-oncogene tyrosine kinase; mutant stock: Mertk

Affected Gene: MER proto-oncogene tyrosine kinase

Genomic Alteration: targeted mutation 1; Greg Lemke

Catalog Number: JAX:011122

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6;129-Mertk^{tm1Gr1}/J

Record Creation Time: 20250513T053719+0000

Record Last Update: 20260829T045015+0000

Ratings and Alerts

No rating or validation information has been found for B6;129-Mertk^{tm1Gr1}/J.

No alerts have been found for B6;129-Mertk^{tm1Gr1}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Paisley CE, et al. (2026) Phosphatidylserine exposure by developing astrocytes initiates microglia-mediated developmental cell death. bioRxiv : the preprint server for biology.

Ryu KY, et al. (2024) Mer tyrosine kinase regulates bone metabolism, and its deficiency partially ameliorates periodontitis- and ovariectomy-induced bone loss in mice. JBMR plus, 8(2), ziad014.

Grune J, et al. (2022) Neutrophils incite and macrophages avert electrical storm after myocardial infarction. Nature cardiovascular research, 1(7), 649.

Anderson SR, et al. (2022) Neuronal apoptosis drives remodeling states of microglia and shifts in survival pathway dependence. eLife, 11.

Witas R, et al. (2021) Defective Efferocytosis in a Murine Model of Sjögren's Syndrome Is Mediated by Dysfunctional Mer Tyrosine Kinase Receptor. International journal of molecular sciences, 22(18).

Adomati T, et al. (2020) Dead Cells Induce Innate Anergy via Mertk after Acute Viral Infection. Cell reports, 30(11), 3671.

Santamaria-Barria JA, et al. (2019) Csf1r or Mer inhibition delays liver regeneration via suppression of Kupffer cells. PloS one, 14(5), e0216275.

Mazzoni F, et al. (2019) Non-invasive in vivo fluorescence imaging of apoptotic retinal photoreceptors. Scientific reports, 9(1), 1590.

Puñal VM, et al. (2019) Large-scale death of retinal astrocytes during normal development is non-apoptotic and implemented by microglia. PLoS biology, 17(10), e3000492.

Mei J, et al. (2018) Body temperature measurement in mice during acute illness: implantable temperature transponder versus surface infrared thermometry. Scientific reports, 8(1), 3526.

Tufail Y, et al. (2017) Phosphatidylserine Exposure Controls Viral Innate Immune Responses by Microglia. Neuron, 93(3), 574.