

Resource Summary Report

Generated by [kravitz2](#) on Sep 19, 2026

B6.129S2-Tnfrsf1b^{tm1Mwm/J}

RRID:IMSR_JAX:002620

Type: Organism

Proper Citation

RRID:IMSR_JAX:002620

Organism Information

URL: <https://www.jax.org/strain/002620>

Proper Citation: RRID:IMSR_JAX:002620

Description: Mus musculus with name B6.129S2-Tnfrsf1b^{tm1Mwm/J} from IMSR.

Species: Mus musculus

Synonyms: TNFR2 (2733). Tnfr2

Notes: gene symbol note: tumor necrosis factor receptor superfamily; member 1b; mutant strain|congenic strain: Tnfrsf1b

Affected Gene: tumor necrosis factor receptor superfamily; member 1b

Genomic Alteration: targeted mutation 1; Mark Moore

Catalog Number: JAX:002620

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129S2-Tnfrsf1b^{tm1Mwm/J}

Record Creation Time: 20250513T053633+0000

Record Last Update: 20260919T054822+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S2-Tnfrsf1b^{tm1Mwm/J}.

No alerts have been found for B6.129S2-Tnfrsf1b^{tm1Mwm/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 16 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#).

Hoyt-Miggelbrink AM, et al. (2026) Upregulation of TNFR2 Precedes TOX Expression by Exhausted T cells and Restricts Antitumor and Antiviral Immunity. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 32(4), 782.

Stoner SN, et al. (2026) Myeloid cell reprogramming drives enhanced defense against *Streptococcus pneumoniae* lung infection following exposure to commensal *Prevotella*. *bioRxiv : the preprint server for biology*.

Mujal AM, et al. (2025) Splenic TNF- α signaling potentiates the innate-to-adaptive transition of antiviral NK cells. *Immunity*, 58(3), 585.

Rößler N, et al. (2024) Maintenance of Lognormal-Like Skewed Dendritic Spine Size Distributions in Dentate Granule Cells of TNF, TNF-R1, TNF-R2, and TNF-R1/2-Deficient Mice. *The Journal of comparative neurology*, 532(7), e25645.

Van Roy Z, et al. (2024) Tumor necrosis factor regulates leukocyte recruitment but not bacterial persistence during *Staphylococcus aureus* craniotomy infection. *Journal of neuroinflammation*, 21(1), 179.

Sharifkhodaei Z, et al. (2023) Colitis-induced upregulation of tumor necrosis factor receptor-2 (TNFR2) terminates epithelial regenerative signaling to restore homeostasis. *iScience*, 26(10), 107829.

Smilovic D, et al. (2023) Loss of tumor necrosis factor (TNF)-receptor 1 and TNF-receptor 2 partially replicate effects of TNF deficiency on dendritic spines of granule cells in mouse dentate gyrus. *The Journal of comparative neurology*, 531(2), 281.

Liang Y, et al. (2022) Distinct Role of TNFR1 and TNFR2 in Protective Immunity Against *Orientia tsutsugamushi* Infection in Mice. *Frontiers in immunology*, 13, 867924.

Simpson DS, et al. (2022) Interferon- γ primes macrophages for pathogen ligand-induced killing via a caspase-8 and mitochondrial cell death pathway. *Immunity*, 55(3), 423.

Maier AB, et al. (2021) Effects of TNF α receptor TNF-Rp55- or TNF-Rp75- deficiency on corneal neovascularization and lymphangiogenesis in the mouse. *PloS one*, 16(4), e0245143.

Naserian S, et al. (2020) Regulatory T cell induction by mesenchymal stem cells depends on the expression of TNFR2 by T cells. *Stem cell research & therapy*, 11(1), 534.

Beldi G, et al. (2020) TNF α /TNFR2 signaling pathway: an active immune checkpoint for mesenchymal stem cell immunoregulatory function. *Stem cell research & therapy*, 11(1), 281.

Aevermann BD, et al. (2014) A comprehensive collection of systems biology data characterizing the host response to viral infection. *Scientific data*, 1, 140033.

Wortzman ME, et al. (2013) Intrinsic TNF/TNFR2 interactions fine-tune the CD8 T cell response to respiratory influenza virus infection in mice. *PloS one*, 8(7), e68911.

Sasi SP, et al. (2012) Breaking the 'harmony' of TNF- α signaling for cancer treatment. *Oncogene*, 31(37), 4117.

Joussen AM, et al. (2009) TNF-alpha mediated apoptosis plays an important role in the development of early diabetic retinopathy and long-term histopathological alterations. *Molecular vision*, 15, 1418.