

Resource Summary Report

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

B6;129S-Tnf^{tm1Gkl}/J

RRID:IMSR_JAX:003008

Type: Organism

Proper Citation

RRID:IMSR_JAX:003008

Organism Information

URL: <https://www.jax.org/strain/003008>

Proper Citation: RRID:IMSR_JAX:003008

Description: Mus musculus with name B6;129S-Tnf^{tm1Gkl}/J from IMSR.

Species: Mus musculus

Synonyms: B6;129S6-Tnf/J

Notes: gene symbol note: tumor necrosis factor; mutant stock: Tnf

Affected Gene: tumor necrosis factor

Genomic Alteration: targeted mutation 1; George Kollias

Catalog Number: JAX:003008

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: B6;129S-Tnf^{tm1Gkl}/J

Record Creation Time: 20250513T053636+0000

Record Last Update: 20260919T054826+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S-Tnf^{tm1Gkl}/J.

Warning: Warning. Researchers have noted that this genotype does not sufficiently model human cherubism.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Oles AR, et al. (2025) MyoD is essential in rhabdomyosarcoma by promoting survival through differentiation and CYLD. *iScience*, 28(8), 113149.

Al Madhoun A, et al. (2025) TNF- α /NF- κ B mediated upregulation of Dectin-1 in hyperglycemic obesity: implications for metabolic inflammation and diabetes. *Journal of translational medicine*, 23(1), 462.

Goyal S, et al. (2025) Bacterial ADP-heptose triggers stem cell regeneration in the intestinal epithelium following injury. *Cell stem cell*, 32(8), 1235.

Sulsenti R, et al. (2024) Intracellular Osteopontin Promotes the Release of TNF α by Mast Cells to Restrain Neuroendocrine Prostate Cancer. *Cancer immunology research*, 12(9), 1147.

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.

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.

Breznik JA, et al. (2023) Diet-induced obesity alters intestinal monocyte-derived and tissue-resident macrophages and increases intestinal permeability in female mice independent of tumor necrosis factor. *American journal of physiology. Gastrointestinal and liver physiology*, 324(4), G305.

Al Madhoun A, et al. (2023) Adipose Tissue Caveolin-1 Upregulation in Obesity Involves TNF- α /NF- κ B Mediated Signaling. *Cells*, 12(7).

Smilovic D, et al. (2022) Constitutive tumor necrosis factor (TNF)-deficiency causes a reduction in spine density in mouse dentate granule cells accompanied by homeostatic adaptations of spine head size. *The Journal of comparative neurology*, 530(3), 656.

Talarico LB, et al. (2017) The Role of Heterotypic DENV-specific CD8 $^{+}$ T Lymphocytes in an Immunocompetent Mouse Model of Secondary Dengue Virus Infection. *EBioMedicine*, 20, 202.