

Resource Summary Report

Generated by [kravitz2](#) on Aug 2, 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: 20260801T050339+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 [kravitz2](#) .

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.

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

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.