

# Resource Summary Report

Generated by PRECISE-TBI on Jul 29, 2026

## B6;129S-Tnf<sup>tm1Gkl</sup>/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<sup>tm1Gkl</sup>/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<sup>tm1Gkl</sup>/J

**Record Creation Time:** 20250513T053636+0000

**Record Last Update:** 20260725T044346+0000

### Ratings and Alerts

No rating or validation information has been found for B6;129S-Tnf<sup>tm1Gkl</sup>/J.

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

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** JAX Mice and Services

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## Usage and Citation Metrics

We found 10 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [PRECISE-TBI](#) .

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- $\alpha$ /NF- $\kappa$ 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 $\alpha$  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 $\kappa$ 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- $\alpha$ /NF- $\kappa$ 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.