Resource Summary Report

Generated by nidm-terms on Aug 29, 2026

B6.129S-Tnfrsf1b^{tm1Imx} Tnfrsf1a/J

RRID:IMSR_JAX:003243
Type: Organism

Proper Citation

RRID:IMSR_JAX:003243

Organism Information

URL: https://www.jax.org/strain/003243

Proper Citation: RRID:IMSR_JAX:003243

Description: Mus musculus with name B6.129S-Tnfrsf1b^{tm1Imx} Tnfrsf1a/J from IMSR.

Species: Mus musculus

Synonyms: B6.129S-Tnfrsf1a Tnfrsf1b/J. B6;129S-Tnfrsf1a Tnfrsf1b/J

Notes: gene symbol note: tumor necrosis factor receptor superfamily; member 1a|tumor necrosis factor receptor superfamily; member 1b; mutant strain|congenic strain: Tnfrsf1a|Tnfrsf1b

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

Genomic Alteration: targeted mutation 1; Immunex Research and Development Corporation

Catalog Number: JAX:003243

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129S-Tnfrsf1b^{tm1Imx} Tnfrsf1a/J

Record Creation Time: 20250513T053638+0000

Record Last Update: 20260829T044929+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S-Tnfrsf1b^{tm1Imx} Tnfrsf1a/J.

Warning: Warning. Researchers have noted that this genotype does not sufficiently model human essential hypertension.
Warning: Warning. Researchers have noted that this genotype does not sufficiently model human familial combined hyperlipidemia.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 12 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

Torrico EC, et al. (2026) High-fat diet causes rapid loss of intestinal group 3 innate lymphoid cells through microbiota-driven inflammation and mitochondrial stress. Immunity, 59(4), 988.

Klein OR, et al. (2023) Defibrotide modulates pulmonary endothelial cell activation and protects against lung inflammation in pre-clinical models of LPS-induced lung injury and idiopathic pneumonia syndrome. Frontiers in immunology, 14, 1186422.

Liu S, et al. (2023) A tissue injury sensing and repair pathway distinct from host pathogen defense. Cell, 186(10), 2127.

Xie Y, et al. (2022) Hair shaft miniaturization causes stem cell depletion through mechanosensory signals mediated by a Piezo1-calcium-TNF-? axis. Cell stem cell, 29(1), 70.

SanMiguel JM, et al. (2022) Distinct Tumor Necrosis Factor Alpha Receptors Dictate Stem Cell Fitness versus Lineage Output in Dnmt3a-Mutant Clonal Hematopoiesis. Cancer discovery, 12(12), 2763.

Belenguer G, et al. (2021) Adult Neural Stem Cells Are Alerted by Systemic Inflammation through TNF-? Receptor Signaling. Cell stem cell, 28(2), 285.

Dos Santos RS, et al. (2020) Involvement of the Hsp70/TLR4/IL-6 and TNF-? pathways in delayed-onset muscle soreness. Journal of neurochemistry, 155(1), 29.

Marahleh A, et al. (2019) TNF-? Directly Enhances Osteocyte RANKL Expression and Promotes Osteoclast Formation. Frontiers in immunology, 10, 2925.

Bachus H, et al. (2019) Impaired Tumor-Necrosis-Factor-?-driven Dendritic Cell Activation Limits Lipopolysaccharide-Induced Protection from Allergic Inflammation in Infants. Immunity, 50(1), 225.

Boege Y, et al. (2017) A Dual Role of Caspase-8 in Triggering and Sensing Proliferation-Associated DNA Damage, a Key Determinant of Liver Cancer Development. Cancer cell, 32(3), 342.

Kaushal N, et al. (2012) TNF-? and temporal changes in sleep architecture in mice exposed to sleep fragmentation. PloS one, 7(9), e45610.

Kovalenko A, et al. (2009) Caspase-8 deficiency in epidermal keratinocytes triggers an inflammatory skin disease. The Journal of experimental medicine, 206(10), 2161.