

Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

B6.129S7-Ifngr1^{tm1Agt}/J

RRID:IMSR_JAX:003288

Type: Organism

Proper Citation

RRID:IMSR_JAX:003288

Organism Information

URL: <https://www.jax.org/strain/003288>

Proper Citation: RRID:IMSR_JAX:003288

Description: Mus musculus with name B6.129S7-Ifngr1^{tm1Agt}/J from IMSR.

Species: Mus musculus

Synonyms: B6.129S7-Ifngr/J

Notes: gene symbol note: interferon gamma receptor 1; mutant strain|congenic strain: Ifngr1

Affected Gene: interferon gamma receptor 1

Genomic Alteration: targeted mutation 1; Michel Aguet

Catalog Number: JAX:003288

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129S7-Ifngr1^{tm1Agt}/J

Record Creation Time: 20250513T053638+0000

Record Last Update: 20260912T060422+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S7-Ifngr1^{tm1Agt}/J.

No alerts have been found for B6.129S7-Ifngr1^{tm1Agt/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 59 mentions in open access literature.

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

Maltez VI, et al. (2026) Agonistic anti-CD40 antibody treatment converts resident regulatory T cells into activated type 1 effectors within the tumor microenvironment. *Immunity*, 59(4), 1058.

Prevel R, et al. (2025) β -Glucan reprograms alveolar macrophages via neutrophil/IFN γ axis in a murine model of lung injury. *eLife*, 13.

Haniuda K, et al. (2025) Mucosal viral infection elicits long-lived IgA responses via type 1 follicular helper T cells. *Cell*, 188(24), 6774.

Chen KY, et al. (2025) Inflammation switches the chemoattractant requirements for naive lymphocyte entry into lymph nodes. *Cell*, 188(4), 1019.

Marzook NB, et al. (2025) The essential host genome for *Cryptosporidium* survival exposes metabolic dependencies that can be leveraged for treatment. *Cell*.

Bevis AM, et al. (2025) An Autoimmunity-associated allele of PTPN22 enhances the innate immune response to promote protection against acute coronavirus infection. *bioRxiv* : the preprint server for biology.

Herrmann C, et al. (2025) Environmental stress drives clearance of a persistent enteric virus in mice. *Nature microbiology*, 10(8), 1975.

Eislmayr KD, et al. (2025) Macrophages orchestrate elimination of *Shigella* from the intestinal epithelial cell niche via TLR-induced IL-12 and IFN γ . *Cell host & microbe*, 33(9), 1535.

Purbey PK, et al. (2024) Opposing tumor-cell-intrinsic and -extrinsic roles of the IRF1 transcription factor in antitumor immunity. *Cell reports*, 43(6), 114289.

Danielson M, et al. (2024) Cytosolic bacterial pathogens activate TLR pathways in tumors that synergistically enhance STING agonist cancer therapies. *iScience*, 27(12), 111385.

Liang Y, et al. (2024) Lack of the IFN γ signal leads to lethal *Orientia tsutsugamushi* infection in mice with skin eschar lesions. *PLoS pathogens*, 20(5), e1012020.

Andrews LP, et al. (2024) LAG-3 and PD-1 synergize on CD8+ T cells to drive T cell exhaustion and hinder autocrine IFN- γ -dependent anti-tumor immunity. *Cell*, 187(16), 4355.

Ball AG, et al. (2024) Poly I:C vaccination drives transient CXCL9 expression near B cell follicles in the lymph node through type-I and type-II interferon signaling. *Cytokine*, 183, 156731.

Fernandez-Rodriguez L, et al. (2023) Dual TLR9 and PD-L1 targeting unleashes dendritic cells to induce durable antitumor immunity. *Journal for immunotherapy of cancer*, 11(5).

Ma L, et al. (2023) Vaccine-boosted CAR T crosstalk with host immunity to reject tumors with antigen heterogeneity. *Cell*, 186(15), 3148.

Kemna J, et al. (2023) IFN γ binding to extracellular matrix prevents fatal systemic toxicity. *Nature immunology*, 24(3), 414.

DiVita Dean B, et al. (2023) Immunotherapy reverses glioma-driven dysfunction of immune system homeostasis. *Journal for immunotherapy of cancer*, 11(2).

Muñoz-Ruiz M, et al. (2023) IFN- γ -dependent interactions between tissue-intrinsic ?? T cells and tissue-infiltrating CD8 T cells limit allergic contact dermatitis. *The Journal of allergy and clinical immunology*, 152(6), 1520.

Kennedy EA, et al. (2023) Age-associated features of norovirus infection analysed in mice. *Nature microbiology*, 8(6), 1095.

Pichler AC, et al. (2023) TCR-independent CD137 (4-1BB) signaling promotes CD8+-exhausted T cell proliferation and terminal differentiation. *Immunity*, 56(7), 1631.