

# Resource Summary Report

Generated by [kravitz2](#) on Sep 20, 2026

## B6.129S7-Ifngr1<sup>tm1Agt</sup>/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<sup>tm1Agt</sup>/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<sup>tm1Agt</sup>/J

**Record Creation Time:** 20250513T053638+0000

**Record Last Update:** 20260919T054828+0000

### Ratings and Alerts

No rating or validation information has been found for B6.129S7-Ifngr1<sup>tm1Agt</sup>/J.

No alerts have been found for B6.129S7-Ifn $\gamma$ 1<sup>tm1Agt/J</sup>.

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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 59 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [kravitz2](#).

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)  $\gamma$ -Glucan reprograms alveolar macrophages via neutrophil/IFN $\gamma$  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*.

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

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.

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

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

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.

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

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

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).

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

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

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- $\gamma$ -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.

Appleton BD, et al. (2023) Oxidized Phospholipid oxPAPC Alters Regulatory T-Cell Differentiation and Decreases Their Protective Function in Atherosclerosis in Mice. *Arteriosclerosis, thrombosis, and vascular biology*, 43(11), 2119.