

Resource Summary Report

Generated by [nidm-terms](#) on Jul 30, 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: 20260725T044348+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 58 mentions in open access literature.

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

Prevel R, et al. (2025) ?-Glucan reprograms alveolar macrophages via neutrophil/IFN? 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-?. 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-? 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-?-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).

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

Kemna J, et al. (2023) IFN γ 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.

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.

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.