

Resource Summary Report

Generated by [NIF](#) on Sep 6, 2026

C57BL/6N-Ifngr1^{tm1.1Rds}/J

RRID:IMSR_JAX:025394

Type: Organism

Proper Citation

RRID:IMSR_JAX:025394

Organism Information

URL: <https://www.jax.org/strain/025394>

Proper Citation: RRID:IMSR_JAX:025394

Description: Mus musculus with name C57BL/6N-Ifngr1^{tm1.1Rds}/J from IMSR.

Species: Mus musculus

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

Affected Gene: interferon gamma receptor 1

Genomic Alteration: targeted mutation 1.1; Robert D Schreiber

Catalog Number: JAX:025394

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: C57BL/6N-Ifngr1^{tm1.1Rds}/J

Record Creation Time: 20250513T053753+0000

Record Last Update: 20260905T044533+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6N-Ifngr1^{tm1.1Rds}/J.

No alerts have been found for C57BL/6N-Ifngr1^{tm1.1Rds}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 20 mentions in open access literature.

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

Karakousi T, et al. (2026) IFN γ -dependent metabolic reprogramming restrains an immature, pro-metastatic lymphatic state in melanoma. *Cancer cell*, 44(4), 792.

Pei S, et al. (2026) Neutrophil regulation of immunotherapy for cancer is controlled by type II interferon. *Immunity*, 59(7), 1982.

Westfall S, et al. (2025) A type 1 immune-stromal cell network mediates disease tolerance against intestinal infection. *Cell*, 188(12), 3135.

Risley CA, et al. (2025) Transcription factor T-bet regulates the maintenance and differentiation potential of lymph node and lung effector memory B cell subsets. *Immunity*, 58(7), 1706.

Van Roy Z, et al. (2025) Interferon-gamma receptor signaling regulates innate immunity during *Staphylococcus aureus* craniotomy infection. *Journal of neuroinflammation*, 22(1), 46.

Rodriguez-Marino N, et al. (2024) Dietary fiber promotes antigen presentation on intestinal epithelial cells and development of small intestinal CD4⁺CD8^{??}⁺ intraepithelial T cells. *Mucosal immunology*.

Zhu L, et al. (2024) IFN- γ -responsiveness of lymphatic endothelial cells inhibits melanoma lymphatic dissemination via AMPK-mediated metabolic control. *Biochimica et biophysica acta. Molecular basis of disease*, 1870(7), 167314.

Freshour SL, et al. (2023) Endothelial cells are a key target of IFN- γ during response to combined PD-1/CTLA-4 ICB treatment in a mouse model of bladder cancer. *bioRxiv : the preprint server for biology*.

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

Hobson BD, et al. (2023) Conserved and cell type-specific transcriptional responses to IFN- γ in the ventral midbrain. *Brain, behavior, and immunity*, 111, 277.

Harbour JC, et al. (2023) T helper 1 effector memory CD4⁺ T cells protect the skin from poxvirus infection. *Cell reports*, 42(5), 112407.

- Wang X, et al. (2023) Driving axon regeneration by orchestrating neuronal and non-neuronal innate immune responses via the IFN- γ -cGAS-STING axis. *Neuron*, 111(2), 236.
- Caputa G, et al. (2022) Intracellular infection and immune system cues rewire adipocytes to acquire immune function. *Cell metabolism*, 34(5), 747.
- Cautivo KM, et al. (2022) Interferon gamma constrains type 2 lymphocyte niche boundaries during mixed inflammation. *Immunity*, 55(2), 254.
- Chodisetti SB, et al. (2020) TLR7 Negatively Regulates B10 Cells Predominantly in an IFN- γ Signaling Dependent Manner. *Frontiers in immunology*, 11, 1632.
- Rua R, et al. (2019) Infection drives meningeal engraftment by inflammatory monocytes that impairs CNS immunity. *Nature immunology*, 20(4), 407.
- Tomlinson JE, et al. (2018) Temporal changes in macrophage phenotype after peripheral nerve injury. *Journal of neuroinflammation*, 15(1), 185.
- Nusse YM, et al. (2018) Parasitic helminths induce fetal-like reversion in the intestinal stem cell niche. *Nature*, 559(7712), 109.
- Garris CS, et al. (2018) Successful Anti-PD-1 Cancer Immunotherapy Requires T Cell-Dendritic Cell Crosstalk Involving the Cytokines IFN- γ and IL-12. *Immunity*, 49(6), 1148.
- Overacre-Delgoffe AE, et al. (2017) Interferon- γ Drives Treg Fragility to Promote Anti-tumor Immunity. *Cell*, 169(6), 1130.