

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](#) on May 21, 2025

B6.129S7-Ifng^{tm1Ts}/J

RRID:IMSR_JAX:002287

Type: Organism

Proper Citation

RRID:IMSR_JAX:002287

Organism Information

URL: <https://www.jax.org/strain/002287>

Proper Citation: RRID:IMSR_JAX:002287

Description: Mus musculus with name B6.129S7-Ifng^{tm1Ts}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: interferon gamma; mutant strain|congenic strain: Ifng

Affected Gene: interferon gamma

Genomic Alteration: targeted mutation 1; Timothy Stewart

Catalog Number: JAX:002287

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129S7-Ifng^{tm1Ts}/J

Record Creation Time: 20250513T053630+0000

Record Last Update: 20250517T092433+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S7-Ifng^{tm1Ts}/J.

Warning: Warning. Researchers have noted that this genotype does not sufficiently model human systemic lupus erythematosus.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 134 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Khan MZ, et al. (2024) Divergent downstream biosynthetic pathways are supported by L-cysteine synthases of Mycobacterium tuberculosis. eLife, 12.

Ichiyama K, et al. (2024) Transcription factor Ikzf1 associates with Foxp3 to repress gene expression in Treg cells and limit autoimmunity and anti-tumor immunity. Immunity, 57(9), 2043.

Englebert K, et al. (2024) The CD27/CD70 pathway negatively regulates visceral adipose tissue-resident Th2 cells and controls metabolic homeostasis. Cell reports, 43(3), 113824.

Nava MG, et al. (2024) The Cryptosporidium signaling kinase CDPK5 plays an important role in male gametogenesis and parasite virulence. Cell reports, 43(6), 114263.

Wallbank BA, et al. (2024) Cryptosporidium impacts epithelial turnover and is resistant to induced death of the host cell. mBio, 15(8), e0172024.

Nava MG, et al. (2023) Tyrosine Kinase Inhibitors Display Potent Activity against Cryptosporidium parvum. Microbiology spectrum, 11(1), e0387422.

Tsuji M, et al. (2023) An immunostimulatory glycolipid that blocks SARS-CoV-2, RSV, and influenza infections in vivo. Nature communications, 14(1), 3959.

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

Andrews C, et al. (2023) IL-27 induces an IFN-like signature in murine macrophages which in turn modulate colonic epithelium. Frontiers in immunology, 14, 1021824.

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

Padilla AM, et al. (2023) Delayed Activation of T Cells at the Site of Infection Facilitates the Establishment of *Trypanosoma cruzi* in Both Naive and Immune Hosts. *mSphere*, 8(1), e0060122.

Funkhouser-Jones LJ, et al. (2023) Microbiota produced indole metabolites disrupt host cell mitochondrial energy production and inhibit *Cryptosporidium parvum* growth. *bioRxiv* : the preprint server for biology.

Jin WJ, et al. (2023) NK cells propagate T cell immunity following in situ tumor vaccination. *Cell reports*, 42(12), 113556.

Funkhouser-Jones LJ, et al. (2023) Microbiota-produced indole metabolites disrupt mitochondrial function and inhibit *Cryptosporidium parvum* growth. *Cell reports*, 42(7), 112680.

Muñoz-Wolf N, et al. (2023) Non-canonical inflammasome activation mediates the adjuvanticity of nanoparticles. *Cell reports. Medicine*, 4(1), 100899.

Tsai CH, et al. (2023) Immunoediting instructs tumor metabolic reprogramming to support immune evasion. *Cell metabolism*, 35(1), 118.

Maradana MR, et al. (2023) Dietary environmental factors shape the immune defense against *Cryptosporidium* infection. *Cell host & microbe*, 31(12), 2038.

Dahlgren MW, et al. (2022) Type I Interferons Promote Germinal Centers Through B Cell Intrinsic Signaling and Dendritic Cell Dependent Th1 and Tfh Cell Lineages. *Frontiers in immunology*, 13, 932388.

Savid-Frontera C, et al. (2022) Exploring the immunomodulatory role of virtual memory CD8⁺ T cells: Role of IFN gamma in tumor growth control. *Frontiers in immunology*, 13, 971001.

Serrán MG, et al. (2022) Extrafollicular Plasmablasts Present in the Acute Phase of Infections Express High Levels of PD-L1 and Are Able to Limit T Cell Response. *Frontiers in immunology*, 13, 828734.