

Resource Summary Report

Generated by [NIF](#) on Aug 2, 2026

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: 20260801T050334+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 146 mentions in open access literature.

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

Ravi VR, et al. (2026) Second-order regulation: IFN- γ suppresses IL-17A-mediated neutrophilic inflammation. bioRxiv : the preprint server for biology.

Garcia Castillo J, et al. (2025) Cellular mechanisms underlying beneficial versus detrimental effects of bacterial antitumor immunotherapy. Immunity, 58(8), 2002.

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.

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.

Wallbank BA, et al. (2025) Cryptosporidium aspartyl protease 2 is required for host cell egress of merozoites and male gametes. Molecular biology of the cell, 36(11), ar133.

Kak G, et al. (2025) CD4+ T cell-innate immune crosstalk is critical during Staphylococcus aureus craniotomy infection. JCI insight, 10(4).

Mears KS, et al. (2025) Therapeutic activation of IL-22-producing innate lymphoid cells enhances host defenses to Clostridioides difficile infection. Cell reports, 44(4), 115438.

Rodrigues E, et al. (2025) Cryptosporidium modifies intestinal microvilli through an exported virulence factor. Cell host & microbe, 33(5), 719.

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

Ahn JJ, et al. (2025) Coupling IL-2 with IL-10 to mitigate toxicity and enhance antitumor immunity. Cell reports. Medicine, 6(8), 102257.

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

Lanzar ZR, et al. (2025) De-coupling immune parameters and toxicity associated with IL-12 agonism. Cell reports, 44(6), 115840.

Buri MC, et al. (2025) Natural Killer Cell-Mediated Cytotoxicity Shapes the Clonal Evolution of B-cell Leukemia. *Cancer immunology research*, 13(3), 430.

Anaya-Sanchez A, et al. (2025) Methylglyoxal is an antibacterial effector produced by macrophages during infection. *Cell host & microbe*, 33(7), 1121.

Reyes EY, et al. (2025) Cryptococcus exploits delayed microglial activation, and microglial osteopontin/Spp1 impairs peripheral host control. *Cell host & microbe*, 33(12), 2067.

Ravi VR, et al. (2025) Lung CD4+ resident memory T cells use airway secretory cells to stimulate and regulate onset of allergic airway neutrophilic disease. *Cell reports*, 44(3), 115294.

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

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

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.

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.