

Resource Summary Report

Generated by PRECISE-TBI on Sep 20, 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: 20260919T054820+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 150 mentions in open access literature.

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

Ino H, et al. (2026) IL-18 produced by pregnant uterus promotes essential inflammatory responses and fetoplacental growth. *Cell reports*, 45(1), 116865.

Merolle M, et al. (2026) The role of integrins in T cell-mediated resistance to *Cryptosporidium parvum*. *bioRxiv : the preprint server for biology*.

Kureshi CTS, et al. (2026) Dendritic cell redundancy enables priming of anti-tumor CD4+ T cells in pancreatic cancer. *Cancer cell*, 44(7), 1381.

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

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.

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*.

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

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.

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

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

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

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

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

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.

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

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

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

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

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