

# Resource Summary Report

Generated by T1D on Sep 6, 2026

## B6.129S7-Ifng<sup>tm1Ts</sup>/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<sup>tm1Ts</sup>/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<sup>tm1Ts</sup>/J

**Record Creation Time:** 20250513T053630+0000

**Record Last Update:** 20260905T044409+0000

### Ratings and Alerts

No rating or validation information has been found for B6.129S7-Ifng<sup>tm1Ts</sup>/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 [T1D](#).

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.

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

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

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.

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.

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.

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

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

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.

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.