

Resource Summary Report

Generated by [Kravitz](#) on Sep 19, 2026

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

RRID:IMSR_JAX:002286

Type: Organism

Proper Citation

RRID:IMSR_JAX:002286

Organism Information

URL: <https://www.jax.org/strain/002286>

Proper Citation: RRID:IMSR_JAX:002286

Description: Mus musculus with name C.129S7(B6)-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:002286

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: C.129S7(B6)-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 C.129S7(B6)-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 13 mentions in open access literature.

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

Calvo S, et al. (2024) Correlation between systemic allergen desensitisation and long-term asthma protection in mice following intravenous administration of the live tuberculosis vaccine MTBVAC. *EBioMedicine*, 107, 105272.

Andreopoulou M, et al. (2023) Prevalence and molecular characterization of *Toxoplasma gondii* in different types of poultry in Greece, associated risk factors and co-existence with *Eimeria* spp. *Parasitology research*, 122(1), 97.

Beziaud L, et al. (2023) IFN γ -induced stem-like state of cancer cells as a driver of metastatic progression following immunotherapy. *Cell stem cell*, 30(6), 818.

Jia Y, et al. (2021) Th1 cytokine interferon gamma improves response in HER2 breast cancer by modulating the ubiquitin proteasomal pathway. *Molecular therapy : the journal of the American Society of Gene Therapy*, 29(4), 1541.

Stollberg KC, et al. (2021) Comparison of Direct and Indirect *Toxoplasma gondii* Detection and Genotyping in Game: Relationship and Challenges. *Microorganisms*, 9(8).

Fabian BT, et al. (2020) Fluorescent bead-based serological detection of *Toxoplasma gondii* infection in chickens. *Parasites & vectors*, 13(1), 388.

Manrique SZ, et al. (2016) Definitive activation of endogenous antitumor immunity by repetitive cycles of cyclophosphamide with interspersed Toll-like receptor agonists. *Oncotarget*, 7(28), 42919.

Vicetti Miguel RD, et al. (2016) Intravaginal *Chlamydia trachomatis* Challenge Infection Elicits TH1 and TH17 Immune Responses in Mice That Promote Pathogen Clearance and Genital Tract Damage. *PloS one*, 11(9), e0162445.

Knudson CJ, et al. (2015) RSV vaccine-enhanced disease is orchestrated by the combined actions of distinct CD4 T cell subsets. *PLoS pathogens*, 11(3), e1004757.

Diebel KW, et al. (2015) Gammaherpesvirus small noncoding RNAs are bifunctional elements that regulate infection and contribute to virulence in vivo. *mBio*, 6(1), e01670.

Herrmann DC, et al. (2012) *Toxoplasma gondii* sexual cross in a single naturally infected feline host: generation of highly mouse-virulent and avirulent clones, genotypically different from clonal types I, II and III. *Veterinary research*, 43(1), 39.

Lee KS, et al. (2012) Viral cyclins mediate separate phases of infection by integrating functions of distinct mammalian cyclins. PLoS pathogens, 8(2), e1002496.

Mandal P, et al. (2011) A gammaherpesvirus cooperates with interferon-alpha/beta-induced IRF2 to halt viral replication, control reactivation, and minimize host lethality. PLoS pathogens, 7(11), e1002371.