

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 1, 2026

B6(Cg)-Ifnar1^{tm1.1Ees}/J

RRID:IMSR_JAX:028256

Type: Organism

Proper Citation

RRID:IMSR_JAX:028256

Organism Information

URL: <https://www.jax.org/strain/028256>

Proper Citation: RRID:IMSR_JAX:028256

Description: Mus musculus with name B6(Cg)-Ifnar1^{tm1.1Ees}/J from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Ifnar1/J1

Notes: gene symbol note: interferon (alpha and beta) receptor 1; mutant strain|congenic strain: Ifnar1

Affected Gene: interferon (alpha and beta) receptor 1

Genomic Alteration: targeted mutation 1.1; Edward E Schmidt

Catalog Number: JAX:028256

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6(Cg)-Ifnar1^{tm1.1Ees}/J

Record Creation Time: 20250513T053803+0000

Record Last Update: 20260801T050514+0000

Ratings and Alerts

No rating or validation information has been found for B6(Cg)-Ifnar1^{tm1.1Ees}/J.

No alerts have been found for B6(Cg)-Ifnar1^{tm1.1Ees/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 23 mentions in open access literature.

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

Marques-da-Silva C, et al. (2025) Type I interferons induce guanylate-binding proteins and lysosomal defense in hepatocytes to control malaria. *Cell host & microbe*, 33(4), 529.

Herrmann C, et al. (2025) Environmental stress drives clearance of a persistent enteric virus in mice. *Nature microbiology*, 10(8), 1975.

Mudianto T, et al. (2025) Lymphatic constraint of germinal centers optimizes protective antibody responses. *bioRxiv : the preprint server for biology*.

Yeung ST, et al. (2025) Nerve- and airway-associated interstitial macrophages mitigate SARS-CoV-2 pathogenesis via type I interferon signaling. *Immunity*, 58(5), 1327.

Lai YG, et al. (2025) cGAS and STING in Host Myeloid Cells Are Essential for Effective Cyclophosphamide Treatment of Advanced Breast Cancer. *Cancers*, 17(7).

Toledo-Teixeira DA, et al. (2025) MyD88 signalling in B cells and antibody responses during Oropouche virus-induced neurological disease in mice. *EBioMedicine*, 117, 105815.

Cho HS, et al. (2025) Structure of gut microbial glycolipid modulates host inflammatory response. *Cell*.

Zhang Q, et al. (2025) Intravascular immune surveillance against viremia requires spatiotemporal coordination between Kupffer cells and ILC1s. *Cell reports*, 44(11), 116488.

Cordeiro B, et al. (2024) Obesity intensifies sex-specific interferon signaling to selectively worsen central nervous system autoimmunity in females. *Cell metabolism*, 36(10), 2298.

Escoubas CC, et al. (2024) Type-I-interferon-responsive microglia shape cortical development and behavior. *Cell*.

Kotov DI, et al. (2023) Early cellular mechanisms of type I interferon-driven susceptibility to tuberculosis. *Cell*, 186(25), 5536.

Lei Y, et al. (2023) Cooperative sensing of mitochondrial DNA by ZBP1 and cGAS promotes cardiotoxicity. *Cell*, 186(14), 3013.

Keller EJ, et al. (2022) Spontaneous CD4⁺ T Cell Activation and Differentiation in Lupus-Prone B6.Nba2 Mice Is IFNAR-Independent. *International journal of molecular sciences*, 23(2).

Tran NL, et al. (2022) Continuous sensing of IFN γ by hepatic endothelial cells shapes a vascular antimetastatic barrier. *eLife*, 11.

Strine MS, et al. (2022) Tuft-cell-intrinsic and -extrinsic mediators of norovirus tropism regulate viral immunity. *Cell reports*, 41(6), 111593.

Roy ER, et al. (2022) Concerted type I interferon signaling in microglia and neural cells promotes memory impairment associated with amyloid γ plaques. *Immunity*, 55(5), 879.

Fueyo-González F, et al. (2022) Interferon- γ acts directly on T cells to prolong allograft survival by enhancing regulatory T cell induction through Foxp3 acetylation. *Immunity*, 55(3), 459.

Chen W, et al. (2022) Chronic type I interferon signaling promotes lipid-peroxidation-driven terminal CD8⁺ T cell exhaustion and curtails anti-PD-1 efficacy. *Cell reports*, 41(7), 111647.

Li C, et al. (2021) Interferon- γ -producing plasmacytoid dendritic cells drive the loss of adipose tissue regulatory T cells during obesity. *Cell metabolism*, 33(8), 1610.

Keller EJ, et al. (2020) Partial Protection From Lupus-Like Disease by B-Cell Specific Type I Interferon Receptor Deficiency. *Frontiers in immunology*, 11, 616064.