

Resource Summary Report

Generated by [NIF](#) on Sep 6, 2026

B6.129-Ifnb1^{tm1Lky}/J

RRID:IMSR_JAX:010818

Type: Organism

Proper Citation

RRID:IMSR_JAX:010818

Organism Information

URL: <https://www.jax.org/strain/010818>

Proper Citation: RRID:IMSR_JAX:010818

Description: Mus musculus with name B6.129-Ifnb1^{tm1Lky}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: |interferon beta 1; fibroblast; mutant strain|congenic strain: |Ifnb1

Affected Gene: |interferon beta 1; fibroblast

Genomic Alteration: targeted mutation 1; Richard M Locksley

Catalog Number: JAX:010818

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129-Ifnb1^{tm1Lky}/J

Record Creation Time: 20250513T053717+0000

Record Last Update: 20260905T044502+0000

Ratings and Alerts

No rating or validation information has been found for B6.129-Ifnb1^{tm1Lky}/J.

No alerts have been found for B6.129-Ifnb1^{tm1Lky}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Yu J, et al. (2026) 6-Hydroxydopamine promotes antitumor immunity through macrophage remodeling beyond sympathetic ablation. *Neuron*, 114(14), 2532.

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

Li C, et al. (2025) Integrin CD103 expression in naive CD8+ T cells promotes cytokine-driven acquisition of memory phenotype and effector function. *Immunity*.

Ma W, et al. (2023) Type I interferon response in astrocytes promotes brain metastasis by enhancing monocytic myeloid cell recruitment. *Nature communications*, 14(1), 2632.

Milling LE, et al. (2022) Neoadjuvant STING Activation, Extended Half-life IL2, and Checkpoint Blockade Promote Metastasis Clearance via Sustained NK-cell Activation. *Cancer immunology research*, 10(1), 26.

Simoes DCM, et al. (2022) An integrin axis induces IFN- γ production in plasmacytoid dendritic cells. *The Journal of cell biology*, 221(9).

Zemek RM, et al. (2022) Temporally restricted activation of IFN γ signaling underlies response to immune checkpoint therapy in mice. *Nature communications*, 13(1), 4895.

Piersma SJ, et al. (2020) Virus infection is controlled by hematopoietic and stromal cell sensing of murine cytomegalovirus through STING. *eLife*, 9.

Kim TH, et al. (2019) Plasmacytoid Dendritic Cells Contribute to the Production of IFN- γ via TLR7-MyD88-Dependent Pathway and CTL Priming during Respiratory Syncytial Virus Infection. *Viruses*, 11(8).

Oh DS, et al. (2019) Differential Role of Anti-Viral Sensing Pathway for the Production of Type I Interferon γ in Dendritic Cells and Macrophages Against Respiratory Syncytial Virus A2 Strain Infection. *Viruses*, 11(1).

Araujo AM, et al. (2018) Liver Immune Cells Release Type 1 Interferon Due to DNA Sensing and Amplify Liver Injury from Acetaminophen Overdose. *Cells*, 7(8).

Gopinath S, et al. (2018) Topical application of aminoglycoside antibiotics enhances host resistance to viral infections in a microbiota-independent manner. *Nature microbiology*, 3(5), 611.

Van Prooyen N, et al. (2016) CD103⁺ Conventional Dendritic Cells Are Critical for TLR7/9-Dependent Host Defense against *Histoplasma capsulatum*, an Endemic Fungal Pathogen of Humans. *PLoS pathogens*, 12(7), e1005749.

Tapia K, et al. (2013) Defective viral genomes arising in vivo provide critical danger signals for the triggering of lung antiviral immunity. *PLoS pathogens*, 9(10), e1003703.