Resource Summary Report

Generated by dkNET on Aug 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: 20260801T050421+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 13 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

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.

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

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

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-? 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 ? 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.