Resource Summary Report

Generated by kravitz2 on Sep 20, 2026

B6.129(Cg)-Il1r1$^{tm1.1Rbl}$/J

RRID:IMSR_JAX:028398
Type: Organism

Proper Citation

RRID:IMSR_JAX:028398

Organism Information

URL: https://www.jax.org/strain/028398

Proper Citation: RRID:IMSR_JAX:028398

Description: Mus musculus with name B6.129(Cg)-Il1r1$^{tm1.1Rbl}$/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: interleukin 1 receptor; type I; mutant strain|congenic strain: Il1r1

Affected Gene: interleukin 1 receptor; type I

Genomic Alteration: targeted mutation 1.1; Randy D Blakely

Catalog Number: JAX:028398

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129(Cg)-Il1r1$^{tm1.1Rbl}$/J

Record Creation Time: 20250513T053804+0000

Record Last Update: 20260919T054948+0000

Ratings and Alerts

No rating or validation information has been found for B6.129(Cg)-Il1r1$^{tm1.1Rbl}$/J.

No alerts have been found for B6.129(Cg)-Il1r1$^{tm1.1Rbl}$/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 16 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

Dhariwala MO, et al. (2026) Commensal-myeloid crosstalk in neonatal skin regulates interleukin-1 signaling and cutaneous type 17 inflammation. Immunity, 59(2), 403.

Yang L, et al. (2026) IL-1R1-positive dorsal raphe neurons drive self-imposed social withdrawal in sickness. Cell, 189(1), 272.

Luan P, et al. (2026) A reciprocal glial circuit calibrates injury information and governs the tissue response balance. Neuron.

England FJ, et al. (2025) Sustained NF-?B activation allows mutant alveolar stem cells to co-opt a regeneration program for tumor initiation. Cell stem cell, 32(3), 375.

Peng F, et al. (2025) Multimodal spatial-omics reveal co-evolution of alveolar progenitors and proinflammatory niches in progression of lung precursor lesions. Cancer cell.

Sharma D, et al. (2025) A myeloid Tet2-IL-1? axis modulates intestinal inflammation by restricting catecholaminergic stimulation of enterochromaffin cell differentiation. Immunity, 58(11), 2785.

Bartosiak JT, et al. (2025) Lipopolysaccharide-induced cytokine signaling activates a temporal innate defense program and represses pancreatic ?-cell identity. The Journal of biological chemistry, 301(12), 110811.

Mills KAM, et al. (2024) GM-CSF-mediated epithelial-immune cell crosstalk orchestrates pulmonary immunity to Aspergillus fumigatus. bioRxiv : the preprint server for biology.

Xia J, et al. (2024) Interleukin-1? modulates lymphoid differentiation of Flt3-positive multipotent progenitors after transplantation. Cell reports, 43(11), 114890.

Wang Y, et al. (2023) ?? T cell-intrinsic IL-1R promotes survival during Staphylococcus aureus bacteremia. Frontiers in immunology, 14, 1171934.

Li X, et al. (2022) Maladaptive innate immune training of myelopoiesis links inflammatory comorbidities. Cell, 185(10), 1709.

Merana GR, et al. (2022) Intestinal inflammation alters the antigen-specific immune response to a skin commensal. Cell reports, 39(9), 110891.

Nicolas AM, et al. (2022) Inflammatory fibroblasts mediate resistance to neoadjuvant therapy in rectal cancer. Cancer cell, 40(2), 168.

Costa FRC, et al. (2021) NLRP1 acts as a negative regulator of Th17 cell programming in mice and humans with autoimmune diabetes. Cell reports, 35(8), 109176.

Liu X, et al. (2020) Legionella-Infected Macrophages Engage the Alveolar Epithelium to Metabolically Reprogram Myeloid Cells and Promote Antibacterial Inflammation. Cell host & microbe, 28(5), 683.

Choi J, et al. (2020) Inflammatory Signals Induce AT2 Cell-Derived Damage-Associated Transient Progenitors that Mediate Alveolar Regeneration. Cell stem cell, 27(3), 366.