

Resource Summary Report

Generated by [RRID](#) on Jul 30, 2026

B6.129P2-II18^{tm1Aki}/J

RRID:IMSR_JAX:004130

Type: Organism

Proper Citation

RRID:IMSR_JAX:004130

Organism Information

URL: <https://www.jax.org/strain/004130>

Proper Citation: RRID:IMSR_JAX:004130

Description: Mus musculus with name B6.129P2-II18^{tm1Aki}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: interleukin 18; mutant strain|congenic strain: II18

Affected Gene: interleukin 18

Genomic Alteration: targeted mutation 1; Shizuo Akira

Catalog Number: JAX:004130

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129P2-II18^{tm1Aki}/J

Record Creation Time: 20250513T053643+0000

Record Last Update: 20260725T044352+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2-II18^{tm1Aki}/J.

No alerts have been found for B6.129P2-II18^{tm1Aki}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Cortez VS, et al. (2025) IL-25-induced memory type 2 innate lymphoid cells enforce mucosal immunity. *Cell*.

Cortez VS, et al. (2025) IL-25-induced memory ILC2s mediate long-term small intestinal adaptation. *bioRxiv : the preprint server for biology*.

Winsor NJ, et al. (2025) Cross-kingdom-mediated detection of intestinal protozoa through NLRP6. *Cell host & microbe*, 33(3), 388.

Muñoz-Wolf N, et al. (2023) Non-canonical inflammasome activation mediates the adjuvanticity of nanoparticles. *Cell reports. Medicine*, 4(1), 100899.

Zhang X, et al. (2022) IL18 signaling causes islet β cell development and insulin secretion via different receptors on acinar and β cells. *Developmental cell*, 57(12), 1496.

Carter JJ, et al. (2021) Atypical cytomegalovirus retinal disease in pyroptosis-deficient mice with murine acquired immunodeficiency syndrome. *Experimental eye research*, 209, 108651.

Leite JA, et al. (2020) The DNA Sensor AIM2 Protects against Streptozotocin-Induced Type 1 Diabetes by Regulating Intestinal Homeostasis via the IL-18 Pathway. *Cells*, 9(4).

Naik S, et al. (2017) Inflammatory memory sensitizes skin epithelial stem cells to tissue damage. *Nature*, 550(7677), 475.

Dzietko M, et al. (2015) Effects of PMA (PHORBOL-12-MYRISTATE-13-ACETATE) on the Developing Rodent Brain. *BioMed research international*, 2015, 318306.

Place DE, et al. (2014) Caspase-1-independent interleukin-1 β is required for clearance of *Bordetella pertussis* infections and whole-cell vaccine-mediated immunity. *PloS one*, 9(9), e107188.