

Resource Summary Report

Generated by [RRID](#) on Jul 29, 2026

B6N.129P2-II27ra^{tm1Mak}/J

RRID:IMSR_JAX:018078

Type: Organism

Proper Citation

RRID:IMSR_JAX:018078

Organism Information

URL: <https://www.jax.org/strain/018078>

Proper Citation: RRID:IMSR_JAX:018078

Description: Mus musculus with name B6N.129P2-II27ra^{tm1Mak}/J from IMSR.

Species: Mus musculus

Synonyms: B6N.129P2-II27rav/J

Notes: gene symbol note: interleukin 27 receptor; alpha; mutant strain|congenic strain: II27ra

Affected Gene: interleukin 27 receptor; alpha

Genomic Alteration: targeted mutation 1; Tak Mak

Catalog Number: JAX:018078

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6N.129P2-II27ra^{tm1Mak}/J

Record Creation Time: 20250513T053736+0000

Record Last Update: 20260725T044444+0000

Ratings and Alerts

No rating or validation information has been found for B6N.129P2-II27ra^{tm1Mak}/J.

No alerts have been found for B6N.129P2-Il27ra^{tm1Mak/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Aldridge DL, et al. (2025) IL-27 limits HSPC differentiation during infection and protects from stem cell exhaustion. *eLife*, 14.

Wiesheu R, et al. (2024) IL-27 maintains cytotoxic Ly6C+ ?? T cells that arise from immature precursors. *The EMBO journal*, 43(14), 2878.

Ahmadi F, et al. (2023) cDC1-derived IL-27 regulates small intestinal CD4+ T cell homeostasis in mice. *The Journal of experimental medicine*, 220(3).

Zhang Y, et al. (2023) IL-27 mediates immune response of pneumococcal vaccine SPY1 through Th17 and memory CD4+T cells. *iScience*, 26(8), 107464.

Pichler AC, et al. (2023) TCR-independent CD137 (4-1BB) signaling promotes CD8+-exhausted T cell proliferation and terminal differentiation. *Immunity*, 56(7), 1631.

Dahlgren MW, et al. (2022) Type I Interferons Promote Germinal Centers Through B Cell Intrinsic Signaling and Dendritic Cell Dependent Th1 and Tfh Cell Lineages. *Frontiers in immunology*, 13, 932388.

Meissl K, et al. (2020) STAT1 Isoforms Differentially Regulate NK Cell Maturation and Anti-tumor Activity. *Frontiers in immunology*, 11, 2189.

Montes de Oca M, et al. (2020) IL-27 signalling regulates glycolysis in Th1 cells to limit immunopathology during infection. *PLoS pathogens*, 16(10), e1008994.

Barilla RM, et al. (2019) Specialized dendritic cells induce tumor-promoting IL-10+IL-17+ FoxP3neg regulatory CD4+ T cells in pancreatic carcinoma. *Nature communications*, 10(1), 1424.