

Resource Summary Report

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

B6.129-II21r^{tm1Kopf}/J

RRID:IMSR_JAX:019115

Type: Organism

Proper Citation

RRID:IMSR_JAX:019115

Organism Information

URL: <https://www.jax.org/strain/019115>

Proper Citation: RRID:IMSR_JAX:019115

Description: Mus musculus with name B6.129-II21r^{tm1Kopf}/J from IMSR.

Species: Mus musculus

Synonyms: B6N.129-II21r/J

Notes: gene symbol note: interleukin 21 receptor; mutant strain|congenic strain: II21r

Affected Gene: interleukin 21 receptor

Genomic Alteration: targeted mutation 1; Manfred Kopf

Catalog Number: JAX:019115

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129-II21r^{tm1Kopf}/J

Record Creation Time: 20250513T053740+0000

Record Last Update: 20260725T044448+0000

Ratings and Alerts

No rating or validation information has been found for B6.129-II21r^{tm1Kopf}/J.

No alerts have been found for B6.129-II21r^{tm1Kopf}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Cole AC, et al. (2025) Adoptively transferred Th17 cells cooperate with host B cells to achieve durable tumor immunity. *Cancer cell*, 43(9), 1697.

Kögl T, et al. (2024) Patients and mice with deficiency in the SNARE protein SYNTAXIN-11 have a secondary B cell defect. *The Journal of experimental medicine*, 221(7).

Sottoriva K, et al. (2022) A Notch/IL-21 signaling axis primes bone marrow T cell progenitor expansion. *JCI insight*, 7(9).

Sano T, et al. (2021) Redundant cytokine requirement for intestinal microbiota-induced Th17 cell differentiation in draining lymph nodes. *Cell reports*, 36(8), 109608.

Cui C, et al. (2021) Neoantigen-driven B cell and CD4 T follicular helper cell collaboration promotes anti-tumor CD8 T cell responses. *Cell*, 184(25), 6101.

Solaymani-Mohammadi S, et al. (2019) Interleukin 21 collaborates with interferon- γ for the optimal expression of interferon-stimulated genes and enhances protection against enteric microbial infection. *PLoS pathogens*, 15(2), e1007614.

Booty MG, et al. (2016) IL-21 signaling is essential for optimal host resistance against *Mycobacterium tuberculosis* infection. *Scientific reports*, 6, 36720.