

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](https://fdi-lab.sci-crunch.org) on Apr 23, 2025

C.129-II4^{tm1Lky}/J

RRID:IMSR_JAX:004190

Type: Organism

Proper Citation

RRID:IMSR_JAX:004190

Organism Information

URL: <https://www.jax.org/strain/004190>

Proper Citation: RRID:IMSR_JAX:004190

Description: Mus musculus with name C.129-II4^{tm1Lky}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: |interleukin 4||interleukin 4; mutant strain: |II4||II4

Affected Gene: |interleukin 4||interleukin 4

Genomic Alteration: targeted mutation 1; Richard M Locksley

Catalog Number: JAX:004190

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: sperm

Alternate IDs: IMSR_JAX:4190

Organism Name: C.129-II4^{tm1Lky}/J

Record Creation Time: 20230509T193243+0000

Record Last Update: 20250412T090309+0000

Ratings and Alerts

No rating or validation information has been found for C.129-II4^{tm1Lky/J}.

No alerts have been found for C.129-II4^{tm1Lky/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 14 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Patel PS, et al. (2022) Translational regulation of TFH cell differentiation and autoimmune pathogenesis. *Science advances*, 8(25), eabo1782.

Chen Q, et al. (2022) Development of allergen-specific IgE in a food-allergy model requires precisely timed B cell stimulation and is inhibited by Fgl2. *Cell reports*, 39(13), 110990.

Gregoire C, et al. (2022) Viral infection engenders bona fide and bystander subsets of lung-resident memory B cells through a permissive mechanism. *Immunity*, 55(7), 1216.

Ataide MA, et al. (2022) Lymphatic migration of unconventional T cells promotes site-specific immunity in distinct lymph nodes. *Immunity*, 55(10), 1813.

Kaur K, et al. (2021) GM-CSF production by non-classical monocytes controls antagonistic LPS-driven functions in allergic inflammation. *Cell reports*, 37(13), 110178.

Lee J, et al. (2020) Inhibition of IRF4 in dendritic cells by PRR-independent and -dependent signals inhibit Th2 and promote Th17 responses. *eLife*, 9.

Yao M, et al. (2020) Astrocytic trans-Differentiation Completes a Multicellular Paracrine Feedback Loop Required for Medulloblastoma Tumor Growth. *Cell*, 180(3), 502.

Lin JS, et al. (2019) Virtual memory CD8 T cells expanded by helminth infection confer broad protection against bacterial infection. *Mucosal immunology*, 12(1), 258.

Soloviova K, et al. (2019) A secreted schistosome cathepsin B1 cysteine protease and acute schistosome infection induce a transient T helper 17 response. *PLoS neglected tropical diseases*, 13(1), e0007070.

Shan M, et al. (2018) Secreted IgD Amplifies Humoral T Helper 2 Cell Responses by Binding Basophils via Galectin-9 and CD44. *Immunity*, 49(4), 709.

Fairfax KC, et al. (2012) IL-10R blockade during chronic schistosomiasis mansoni results in the loss of B cells from the liver and the development of severe pulmonary disease. PLoS pathogens, 8(1), e1002490.

Perona-Wright G, et al. (2010) Sustained signaling by canonical helper T cell cytokines throughout the reactive lymph node. Nature immunology, 11(6), 520.

Glatman Zaretsky A, et al. (2009) T follicular helper cells differentiate from Th2 cells in response to helminth antigens. The Journal of experimental medicine, 206(5), 991.

Clay BS, et al. (2009) Inducible costimulator expression regulates the magnitude of Th2-mediated airway inflammation by regulating the number of Th2 cells. PloS one, 4(11), e7525.