

Resource Summary Report

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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; mutant strain|congenic strain: |II4

Affected Gene: |interleukin 4

Genomic Alteration: targeted mutation 1; Richard M Locksley

Catalog Number: JAX:004190

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

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

Record Creation Time: 20250513T053643+0000

Record Last Update: 20260725T044353+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: JAX Mice and Services

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Nelson AJ, et al. (2025) Lung-resident memory B cells maintain allergic IgE responses in the respiratory tract. *Immunity*, 58(4), 875.

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.

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.

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.