

Resource Summary Report

Generated by [kravitz2](#) on Jul 28, 2026

B6(C)-II5^{tm1.1(icre)}Lky/J

RRID:IMSR_JAX:030926

Type: Organism

Proper Citation

RRID:IMSR_JAX:030926

Organism Information

URL: <https://www.jax.org/strain/030926>

Proper Citation: RRID:IMSR_JAX:030926

Description: Mus musculus with name B6(C)-II5^{tm1.1(icre)}Lky/J from IMSR.

Species: Mus musculus

Synonyms: B6(C)-II5/J

Notes: gene symbol note: interleukin 5|; mutant strain: II5|

Affected Gene: interleukin 5|

Genomic Alteration: targeted mutation 1.1; Richard M Locksley

Catalog Number: JAX:030926

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6(C)-II5^{tm1.1(icre)}Lky/J

Record Creation Time: 20250513T053819+0000

Record Last Update: 20260725T044521+0000

Ratings and Alerts

No rating or validation information has been found for B6(C)-II5^{tm1.1(icre)}Lky/J.

No alerts have been found for B6(C)-II5^{tm1.1(icre)}Lky/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 16 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Verwaerde S, et al. (2026) Innate type 2 lymphocytes trigger an inflammatory switch in alveolar macrophages. *Immunity*, 59(1), 60.

Liu G, et al. (2025) ILC2 instructs neural stem and progenitor cells to potentiate neurorepair after stroke. *Neuron*, 113(11), 1741.

Ren G, et al. (2024) Decreased GATA3 levels cause changed mouse cutaneous innate lymphoid cell fate, facilitating hair follicle recycling. *Developmental cell*, 59(14), 1809.

Rao Z, et al. (2024) Alarmin-loaded extracellular lipid droplets induce airway neutrophil infiltration during type 2 inflammation. *Immunity*, 57(11), 2514.

Niu H, et al. (2024) LKB1 prevents ILC2 exhaustion to enhance antitumor immunity. *Cell reports*, 43(5), 113579.

Sun J, et al. (2024) Metabolic regulator LKB1 controls adipose tissue ILC2 PD-1 expression and mitochondrial homeostasis to prevent insulin resistance. *Immunity*, 57(6), 1289.

Bessell E, et al. (2024) Stromal cell and B cell dialogue potentiates IL-33-enriched lymphoid niches to support eosinophil recruitment and function during type 2 immunity. *Cell reports*, 43(8), 114620.

Barron JJ, et al. (2023) Group 2 innate lymphoid cells promote inhibitory synapse development and social behavior. *bioRxiv : the preprint server for biology*.

Siewiera J, et al. (2023) Circumvention of luteolysis reveals parturition pathways in mice dependent upon innate type 2 immunity. *Immunity*, 56(3), 606.

Cao Y, et al. (2023) Dopamine inhibits group 2 innate lymphoid cell-driven allergic lung inflammation by dampening mitochondrial activity. *Immunity*, 56(2), 320.

Tsou AM, et al. (2022) Neuropeptide regulation of non-redundant ILC2 responses at barrier surfaces. *Nature*, 611(7937), 787.

Cautivo KM, et al. (2022) Interferon gamma constrains type 2 lymphocyte niche boundaries during mixed inflammation. *Immunity*, 55(2), 254.

Corral D, et al. (2022) ILC precursors differentiate into metabolically distinct ILC1-like cells during *Mycobacterium tuberculosis* infection. *Cell reports*, 39(3), 110715.

Meng X, et al. (2022) Eosinophils regulate intra-adipose axonal plasticity. *Proceedings of the National Academy of Sciences of the United States of America*, 119(3).

Goldberg EL, et al. (2021) IL-33 causes thermogenic failure in aging by expanding dysfunctional adipose ILC2. *Cell metabolism*, 33(11), 2277.

Dahlgren MW, et al. (2019) Adventitial Stromal Cells Define Group 2 Innate Lymphoid Cell Tissue Niches. *Immunity*, 50(3), 707.