

Resource Summary Report

Generated by [Kravitz](#) on Sep 19, 2026

C.129X1-Il4ra^{tm3.1Tch}/J

RRID:IMSR_JAX:012709

Type: Organism

Proper Citation

RRID:IMSR_JAX:012709

Organism Information

URL: <https://www.jax.org/strain/012709>

Proper Citation: RRID:IMSR_JAX:012709

Description: Mus musculus with name C.129X1-Il4ra^{tm3.1Tch}/J from IMSR.

Species: Mus musculus

Synonyms: C.129.Il4ra. C.129X1-Il4ra/J

Notes: gene symbol note: interleukin 4 receptor; alpha; mutant strain|congenic strain: Il4ra

Affected Gene: interleukin 4 receptor; alpha

Genomic Alteration: targeted mutation 3.1; Talal A Chatila

Catalog Number: JAX:012709

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: C.129X1-Il4ra^{tm3.1Tch}/J

Record Creation Time: 20250513T053722+0000

Record Last Update: 20260912T060507+0000

Ratings and Alerts

No rating or validation information has been found for C.129X1-Il4ra^{tm3.1Tch}/J.

No alerts have been found for C.129X1-Il4ra^{tm3.1Tch}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Miranda-Waldetario MCG, et al. (2025) Long-lived IgE plasma cells that reside in the spleen contribute to the persistence of the IgE response. *Immunity*, 58(11), 2717.

Burton OT, et al. (2013) Direct effects of IL-4 on mast cells drive their intestinal expansion and increase susceptibility to anaphylaxis in a murine model of food allergy. *Mucosal immunology*, 6(4), 740.