

# Resource Summary Report

Generated by [NIF](#) on Aug 16, 2026

## C.129X1-Il4ra<sup>tm3.1Tch</sup>/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<sup>tm3.1Tch</sup>/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<sup>tm3.1Tch</sup>/J

**Record Creation Time:** 20250513T053722+0000

**Record Last Update:** 20260815T050632+0000

### Ratings and Alerts

No rating or validation information has been found for C.129X1-Il4ra<sup>tm3.1Tch</sup>/J.

No alerts have been found for C.129X1-Il4ra<sup>tm3.1Tch</sup>/J.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** JAX Mice and Services

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## Usage and Citation Metrics

We found 2 mentions in open access literature.

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

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.