

# Resource Summary Report

Generated by [ASWG](#) on Sep 5, 2026

## B6.129S1-II12a<sup>tm1Jm/J</sup>

RRID:IMSR\_JAX:002692

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:002692

### Organism Information

**URL:** <https://www.jax.org/strain/002692>

**Proper Citation:** RRID:IMSR\_JAX:002692

**Description:** Mus musculus with name B6.129S1-II12a<sup>tm1Jm/J</sup> from IMSR.

**Species:** Mus musculus

**Notes:** gene symbol note: interleukin 12a; mutant strain|congenic strain: II12a

**Affected Gene:** interleukin 12a

**Genomic Alteration:** targeted mutation 1; Jeanne Magram

**Catalog Number:** JAX:002692

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** embryo

**Organism Name:** B6.129S1-II12a<sup>tm1Jm/J</sup>

**Record Creation Time:** 20250513T053634+0000

**Record Last Update:** 20260905T044413+0000

### Ratings and Alerts

No rating or validation information has been found for B6.129S1-II12a<sup>tm1Jm/J</sup>.

No alerts have been found for B6.129S1-II12a<sup>tm1Jm/J</sup>.

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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 12 mentions in open access literature.

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

Mittereder LR, et al. (2023) IL-12p40 is essential but not sufficient for Francisella tularensis LVS clearance in chronically infected mice. PloS one, 18(3), e0283161.

Ahmadi F, et al. (2023) cDC1-derived IL-27 regulates small intestinal CD4+ T cell homeostasis in mice. The Journal of experimental medicine, 220(3).

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.

Gerber AN, et al. (2021) The subunits of IL-12, originating from two distinct cells, can functionally synergize to protect against pathogen dissemination in vivo. Cell reports, 37(2), 109816.

Xu J, et al. (2020) IL-23, but not IL-12, plays a critical role in inflammation-mediated bone disorders. Theranostics, 10(9), 3925.

Eftychi C, et al. (2019) Temporally Distinct Functions of the Cytokines IL-12 and IL-23 Drive Chronic Colon Inflammation in Response to Intestinal Barrier Impairment. Immunity, 51(2), 367.

Koyama M, et al. (2019) MHC Class II Antigen Presentation by the Intestinal Epithelium Initiates Graft-versus-Host Disease and Is Influenced by the Microbiota. Immunity, 51(5), 885.

Shah S, et al. (2015) An extrafollicular pathway for the generation of effector CD8(+) T cells driven by the proinflammatory cytokine, IL-12. eLife, 4.

Nencini F, et al. (2015) Treatment with 8-OH-modified adenine (TLR7 ligand)-allergen conjugates decreases T helper type 2-oriented murine airway inflammation. Immunology, 145(4), 570.

Kawata K, et al. (2013) Identification of potential cytokine pathways for therapeutic intervention in murine primary biliary cirrhosis. PloS one, 8(9), e74225.

Crane DD, et al. (2012) Generation of a convalescent model of virulent Francisella tularensis infection for assessment of host requirements for survival of tularemia. PloS one, 7(3), e33349.

Liu Y, et al. (2011) Diversion of the immune response to Neisseria gonorrhoeae from Th17 to Th1/Th2 by treatment with anti-transforming growth factor  $\beta$  antibody generates

immunological memory and protective immunity. mBio, 2(3), e00095.