

Resource Summary Report

Generated by [RRID](#) on Jul 29, 2026

B6.129P2-II10^{tm1Cgn}/J

RRID:IMSR_JAX:002251

Type: Organism

Proper Citation

RRID:IMSR_JAX:002251

Organism Information

URL: <https://www.jax.org/strain/002251>

Proper Citation: RRID:IMSR_JAX:002251

Description: Mus musculus with name B6.129P2-II10^{tm1Cgn}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: interleukin 10; mutant strain|congenic strain: II10

Affected Gene: interleukin 10

Genomic Alteration: targeted mutation 1; University of Cologne

Catalog Number: JAX:002251

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129P2-II10^{tm1Cgn}/J

Record Creation Time: 20250513T053630+0000

Record Last Update: 20260725T044338+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2-II10^{tm1Cgn}/J.

No alerts have been found for B6.129P2-II10^{tm1Cgn}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 179 mentions in open access literature.

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

Chen Q, et al. (2025) Mesalazine alleviated the symptoms of spontaneous colitis in interleukin-10 knockout mice by regulating the STAT3/NF- κ B signaling pathway. *World journal of gastroenterology*, 31(7), 96459.

Krajewski D, et al. (2025) IL-33 signaling is dispensable for the IL-10-induced enhancement of mast cell responses during food allergy. *Frontiers in immunology*, 16, 1526498.

Kamrani S, et al. (2025) Mesenchymal stromal cells in bone marrow niche of patients with multiple myeloma: a double-edged sword. *Cancer cell international*, 25(1), 117.

Li Q, et al. (2025) The N-terminal domain of *Chlamydia psittaci* Pmp19G modulates macrophage autophagy by targeting the NOD1 receptor and the ATG16L1-RAB7 signaling pathway. *Frontiers in immunology*, 16, 1645250.

Park S, et al. (2025) Asiatic acid inhibits NF- κ B signaling and ameliorates experimental acute and chronic colitis in mice. *International journal of immunopathology and pharmacology*, 39, 3946320251398285.

Ruple HK, et al. (2025) The gut microbiota predicts and time-restricted feeding delays experimental colitis. *Gut microbes*, 17(1), 2453019.

Lisicka W, et al. (2025) Immunoglobulin A controls intestinal virus colonization to preserve immune homeostasis. *Cell host & microbe*, 33(4), 498.

Zhou W, et al. (2025) ILC3s sense gut microbiota through STING to initiate immune tolerance. *Immunity*, 58(7), 1762.

Kim SH, et al. (2025) IL-10 sensing by lung interstitial macrophages prevents bacterial dysbiosis-driven pulmonary inflammation and maintains immune homeostasis. *Immunity*, 58(5), 1306.

Lee W, et al. (2025) Neutrophil extracellular traps promote pre-metastatic niche formation in the omentum by expanding innate-like B cells that express IL-10. *Cancer cell*, 43(1), 69.

Brown EM, et al. (2025) *Bacteroides* sphingolipids promote anti-inflammatory responses through the mevalonate pathway. *Cell host & microbe*, 33(6), 901.

Mercado MAB, et al. (2024) BHLHE40 drives protective polyfunctional CD4 T cell differentiation in the female reproductive tract against Chlamydia. PLoS pathogens, 20(1), e1011983.

Heimesaat MM, et al. (2024) Oral curcumin ameliorates acute murine campylobacteriosis. Frontiers in immunology, 15, 1363457.

Collins A, et al. (2024) Maternal inflammation regulates fetal emergency myelopoiesis. Cell, 187(6), 1402.

Grunz EA, et al. (2023) Adventitial macrophage accumulation impairs perivascular nerve function in mesenteric arteries with inflammatory bowel disease. Frontiers in physiology, 14, 1198066.

Merriman JA, et al. (2023) Central carbon flux controls growth/damage balance for Streptococcus pyogenes. PLoS pathogens, 19(6), e1011481.

Solé P, et al. (2023) A T follicular helper cell origin for T regulatory type 1 cells. Cellular & molecular immunology, 20(5), 489.

Riquelme-Neira R, et al. (2023) IL-10 Modulates the Expression and Activation of Pattern Recognition Receptors in Mast Cells. International journal of molecular sciences, 24(12).

Holcomb L, et al. (2023) Early life exposure to broccoli sprouts confers stronger protection against enterocolitis development in an immunological mouse model of inflammatory bowel disease. bioRxiv : the preprint server for biology.

Hirose S, et al. (2023) IL-17A expression by both T cells and non-T cells contribute to HSV-IL-2-induced CNS demyelination. Frontiers in immunology, 14, 1102486.