

Resource Summary Report

Generated by [kravitz2](#) on Aug 10, 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: 20260808T050832+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 180 mentions in open access literature.

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

Wu E, et al. (2026) The exosomal miR-26b-3p derived from Crohn's disease-associated mesenteric adipose tissue induces M1 macrophage polarization and exacerbates ileocolonic anastomosis inflammation via the p38-MAPK signaling pathway. *Frontiers in immunology*, 17, 1754302.

Wishahi M, et al. (2026) Gut microbiotas attributed to disorders and diseases of the gastrointestinal tract, colorectal cancer, bladder cancer: Geographical factors, inflammation, metabolic toxic. *World journal of gastrointestinal pharmacology and therapeutics*, 17(1), 115573.

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.

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.

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.

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.

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.

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.

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.

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

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

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.

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.

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*.

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