Resource Summary Report

Generated by kravitz2 on Aug 18, 2026

B6(Cg)-Il10$^{tm1.1Karp}$/J

RRID:IMSR_JAX:014530
Type: Organism

Proper Citation

RRID:IMSR_JAX:014530

Organism Information

URL: https://www.jax.org/strain/014530

Proper Citation: RRID:IMSR_JAX:014530

Description: Mus musculus with name B6(Cg)-Il10$^{tm1.1Karp}$/J from IMSR.

Species: Mus musculus

Synonyms: C57BL/6-Il10/J

Notes: gene symbol note: |interleukin 10; mutant strain: |Il10

Affected Gene: |interleukin 10

Genomic Alteration: targeted mutation 1.1; Christopher L Karp

Catalog Number: JAX:014530

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6(Cg)-Il10$^{tm1.1Karp}$/J

Record Creation Time: 20250513T053727+0000

Record Last Update: 20260815T050642+0000

Ratings and Alerts

No rating or validation information has been found for B6(Cg)-Il10$^{tm1.1Karp}$/J.

No alerts have been found for B6(Cg)-Il10$^{tm1.1Karp}$/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 16 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

Jara-Collao A, et al. (2026) Myeloid-derived interleukin-10 induced by thrombospondin-1 mediates host defense and regulates inflammation during acute bacterial lung infection. Infection and immunity, 94(4), e0061425.

Haj-Mirzaian A, et al. (2026) Granzyme B PET Imaging Uncovers Dynamic Patterns of Disease Activity and Therapeutic Response in a Murine Colitis Model. International journal of molecular sciences, 27(10).

Gauthier J, et al. (2026) B cell-intrinsic IL-2 signaling regulates inflammation by promoting IL-10 expression in CD25+ age-associated B cells. Immunity, 59(2), 354.

Rytter H, et al. (2025) In vitro microbiota model recapitulates and predicts individualised sensitivity to dietary emulsifier. Gut, 74(5), 761.

Ahmed H, et al. (2025) Lactobacillus murinus Induces CYP1A1 Expression and Modulates TNF-Alpha-Induced Responses in a Human Intestinal Epithelial Cell Model. International journal of molecular sciences, 26(23).

Kim DV, et al. (2025) E. coli-activated cellular circuit restrains intestinal inflammatory microbiota-specific T cells and protects against colitis. Cell reports, 44(10), 116332.

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.

Sardinha-Silva A, et al. (2024) Giardia intestinalis reshapes mucosal immunity toward a Type 2 response that attenuates inflammatory bowel-like diseases. bioRxiv : the preprint server for biology.

Yeung ST, et al. (2023) CD169+ macrophage intrinsic IL-10 production regulates immune homeostasis during sepsis. Cell reports, 42(3), 112171.

Gonz??lez LA, et al. (2021) Characterization of the Anti-Inflammatory Capacity of IL-10-Producing Neutrophils in Response to Streptococcus pneumoniae Infection. Frontiers in immunology, 12, 638917.

Nascimento DC, et al. (2021) Sepsis expands a CD39+ plasmablast population that promotes immunosuppression via adenosine-mediated inhibition of macrophage antimicrobial activity. Immunity, 54(9), 2024.

Rosser EC, et al. (2020) Microbiota-Derived Metabolites Suppress Arthritis by Amplifying Aryl-Hydrocarbon Receptor Activation in Regulatory B Cells. Cell metabolism, 31(4), 837.

Giri J, et al. (2020) CCL2 and CXCL12 Derived from Mesenchymal Stromal Cells Cooperatively Polarize IL-10+ Tissue Macrophages to Mitigate Gut Injury. Cell reports, 30(6), 1923.

Piper CJM, et al. (2019) Aryl Hydrocarbon Receptor Contributes to the Transcriptional Program of IL-10-Producing Regulatory B Cells. Cell reports, 29(7), 1878.

Burrack KS, et al. (2018) Interleukin-15 Complex Treatment Protects Mice from Cerebral Malaria by Inducing Interleukin-10-Producing Natural Killer Cells. Immunity, 48(4), 760.

Cush SS, et al. (2016) Locally Produced IL-10 Limits Cutaneous Vaccinia Virus Spread. PLoS pathogens, 12(3), e1005493.