Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 15, 2025

B6.129X1-H2-Ab1$^{b\text{-}tm1Koni}$/J

RRID:IMSR_JAX:013181
Type: Organism

Proper Citation

RRID:IMSR_JAX:013181

Organism Information

URL: https://www.jax.org/strain/013181

Proper Citation: RRID:IMSR_JAX:013181

Description: Mus musculus with name B6.129X1-H2-Ab1$^{b\text{-}tm1Koni}$/J from IMSR.

Species: Mus musculus

Synonyms: B6.129X1-H2-Ab1/J

Notes: gene symbol note: histocompatibility 2; class II antigen A; beta 1; mutant strain|congenic strain: H2-Ab1

Affected Gene: histocompatibility 2; class II antigen A; beta 1

Genomic Alteration: targeted mutation 1; Pandelakis A Koni

Catalog Number: JAX:013181

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129X1-H2-Ab1$^{b\text{-}tm1Koni}$/J

Record Creation Time: 20250513T053724+0000

Record Last Update: 20250513T053923+0000

Ratings and Alerts

No rating or validation information has been found for B6.129X1-H2-Ab1$^{b\text{-}tm1Koni}$/J.

No alerts have been found for B6.129X1-H2-Ab1$^{b\text{-}tm1Koni}$/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 22 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Rodrigues PF, et al. (2024) Progenitors of distinct lineages shape the diversity of mature type 2 conventional dendritic cells. Immunity, 57(7), 1567.

Luan J, et al. (2024) CD80 on skin stem cells promotes local expansion of regulatory T cells upon injury to orchestrate repair within an inflammatory environment. Immunity, 57(5), 1071.

Rodriguez-Marino N, et al. (2024) Dietary fiber promotes antigen presentation on intestinal epithelial cells and development of small intestinal CD4+CD8??+ intraepithelial T cells. Mucosal immunology.

Schonhoff AM, et al. (2023) Border-associated macrophages mediate the neuroinflammatory response in an alpha-synuclein model of Parkinson disease. Nature communications, 14(1), 3754.

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).

van den Broek T, et al. (2023) Invasion of spontaneous germinal centers by naive B cells is rapid and persistent. bioRxiv : the preprint server for biology.

He K, et al. (2023) Gasdermin D licenses MHCII induction to maintain food tolerance in small intestine. Cell, 186(14), 3033.

Harbour JC, et al. (2023) T helper 1 effector memory CD4+ T cells protect the skin from poxvirus infection. Cell reports, 42(5), 112407.

Kerdidani D, et al. (2022) Lung tumor MHCII immunity depends on in situ antigen presentation by fibroblasts. The Journal of experimental medicine, 219(2).

Porsche CE, et al. (2021) Obesity results in adipose tissue T cell exhaustion. JCI insight, 6(8).

Shenoy AT, et al. (2021) Antigen presentation by lung epithelial cells directs CD4+ TRM cell function and regulates barrier immunity. Nature communications, 12(1), 5834.

Toulmin SA, et al. (2021) Type II alveolar cell MHCII improves respiratory viral disease outcomes while exhibiting limited antigen presentation. Nature communications, 12(1), 3993.

Chow AK, et al. (2021) Enteric Glia Regulate Lymphocyte Activation via Autophagy-Mediated MHC-II Expression. Cellular and molecular gastroenterology and hepatology, 12(4), 1215.

Stephens WZ, et al. (2021) Epithelial-myeloid exchange of MHC class II constrains immunity and microbiota composition. Cell reports, 37(5), 109916.

Teng F, et al. (2021) ILC3s control airway inflammation by limiting T cell responses to allergens and microbes. Cell reports, 37(8), 110051.

Beyaz S, et al. (2021) Dietary suppression of MHC class II expression in intestinal epithelial cells enhances intestinal tumorigenesis. Cell stem cell, 28(11), 1922.

Porsche CE, et al. (2020) Adipose tissue dendritic cell signals are required to maintain T cell homeostasis and obesity-induced expansion. Molecular and cellular endocrinology, 505, 110740.

Arroyo EN, et al. (2020) B cells are sufficient to prime the dominant CD4+ Tfh response to Plasmodium infection. The Journal of experimental medicine, 217(2).

Bilate AM, et al. (2020) T Cell Receptor Is Required for Differentiation, but Not Maintenance, of Intestinal CD4+ Intraepithelial Lymphocytes. Immunity, 53(5), 1001.

Biton M, et al. (2018) T Helper Cell Cytokines Modulate Intestinal Stem Cell Renewal and Differentiation. Cell, 175(5), 1307.