Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 4, 2025

B6.129S2-Cd4^{tm1Mak}/J

RRID:IMSR_JAX:002663
Type: Organism

Proper Citation

RRID:IMSR_JAX:002663

Organism Information

URL: https://www.jax.org/strain/002663

Proper Citation: RRID:IMSR_JAX:002663

Description: Mus musculus with name B6.129S2-Cd4^{tm1Mak}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: CD4 antigen; mutant strain|congenic strain: Cd4

Affected Gene: CD4 antigen

Genomic Alteration: targeted mutation 1; Tak Mak

Catalog Number: JAX:002663

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: live

Alternate IDs: IMSR_JAX:2663

Organism Name: B6.129S2-Cd4^{tm1Mak}/J

Record Creation Time: 20230509T193238+0000

Record Last Update: 20240104T174743+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S2-Cd4^{tm1Mak}/J.

No alerts have been found for B6.129S2-Cd4^{tm1Mak}/J.

Data and Source Information

Source: Integrated Animals

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 46 mentions in open access literature.

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

Wolf SP, et al. (2024) One CD4+TCR and One CD8+TCR Targeting Autochthonous Neoantigens Are Essential and Sufficient for Tumor Eradication. Clinical cancer research : an official journal of the American Association for Cancer Research, 30(8), 1642.

Mahadevan KK, et al. (2024) Type I conventional dendritic cells facilitate immunotherapy in pancreatic cancer. Science (New York, N.Y.), 384(6703), eadh4567.

Santiago-Carvalho I, et al. (2023) T cell-specific P2RX7 favors lung parenchymal CD4+ T cell accumulation in response to severe lung infections. Cell reports, 42(11), 113448.

Ravindranathan S, et al. (2022) Targeting vasoactive intestinal peptide-mediated signaling enhances response to immune checkpoint therapy in pancreatic ductal adenocarcinoma. Nature communications, 13(1), 6418.

Toumi R, et al. (2022) Autocrine and paracrine IL-2 signals collaborate to regulate distinct phases of CD8 T cell memory. Cell reports, 39(2), 110632.

Zheng N, et al. (2022) Induction of tumor cell autosis by myxoma virus-infected CAR-T and TCR-T cells to overcome primary and acquired resistance. Cancer cell, 40(9), 973.

Wang N, et al. (2022) Mapping brain gene coexpression in daytime transcriptomes unveils diurnal molecular networks and deciphers perturbation gene signatures. Neuron, 110(20), 3318.

Mochizuki K, et al. (2021) Alloantigen-activated (AAA) CD4+ T cells reinvigorate host endogenous T cell immunity to eliminate pre-established tumors in mice. Journal of experimental & clinical cancer research : CR, 40(1), 314.

Zbesko JC, et al. (2021) IgA natural antibodies are produced following T-cell independent B-cell activation following stroke. Brain, behavior, and immunity, 91, 578.

Costa-Verdera H, et al. (2021) Hepatic expression of GAA results in enhanced enzyme bioavailability in mice and non-human primates. Nature communications, 12(1), 6393.

Williams GP, et al. (2021) CD4 T cells mediate brain inflammation and neurodegeneration in a mouse model of Parkinson's disease. Brain : a journal of neurology, 144(7), 2047.

Errington TM, et al. (2021) Experiments from unfinished Registered Reports in the Reproducibility Project: Cancer Biology. eLife, 10.

Xu W, et al. (2021) Early innate and adaptive immune perturbations determine long-term severity of chronic virus and Mycobacterium tuberculosis coinfection. Immunity, 54(3), 526.

Taylor MD, et al. (2020) CD4 and CD8 T Cell Memory Interactions Alter Innate Immunity and Organ Injury in the CLP Sepsis Model. Frontiers in immunology, 11, 563402.

Williams GP, et al. (2020) T cell infiltration in both human multiple system atrophy and a novel mouse model of the disease. Acta neuropathologica, 139(5), 855.

Bickett TE, et al. (2020) Characterizing the BCG Induced Macrophage and Neutrophil Mechanisms for Defense Against Mycobacterium tuberculosis. Frontiers in immunology, 11, 1202.

Tuganbaev T, et al. (2020) Diet Diurnally Regulates Small Intestinal Microbiome-Epithelial-Immune Homeostasis and Enteritis. Cell, 182(6), 1441.

Padet L, et al. (2019) New insights into immune mechanisms of antiperlecan/LG3 antibody production: Importance of T cells and innate B1 cells. American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons, 19(3), 699.

Rana M, et al. (2018) Constitutive Vagus Nerve Activation Modulates Immune Suppression in Sepsis Survivors. Frontiers in immunology, 9, 2032.

Lin YW, et al. (2018) Flt3 ligand treatment reduces enterovirus A71 lethality in mice with enhanced B cell responses. Scientific reports, 8(1), 12184.