Resource Summary Report

Generated by nidm-terms on Jul 29, 2026

C57BL/6-Tg(Tcra2D2.Tcrb2D2)1Kuch/J

RRID:IMSR_JAX:006912
Type: Organism

Proper Citation

RRID:IMSR_JAX:006912

Organism Information

URL: https://www.jax.org/strain/006912

Proper Citation: RRID:IMSR_JAX:006912

Description: Mus musculus with name C57BL/6-Tg(Tcra2D2.Tcrb2D2)1Kuch/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: transgene insertion 1; Vijay Kuchroo|T cell receptor beta chain|T cell receptor alpha chain; coisogenic strain|mutant strain: Tg(Tcra2D2;Tcrb2D2)1Kuch|Tcrb|Tcra

Affected Gene: transgene insertion 1; Vijay Kuchroo|T cell receptor beta chain|T cell receptor alpha chain

Genomic Alteration: transgene insertion 1; Vijay Kuchroo

Catalog Number: JAX:006912

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: C57BL/6-Tg(Tcra2D2.Tcrb2D2)1Kuch/J

Record Creation Time: 20250513T053700+0000

Record Last Update: 20260725T044413+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6-Tg(Tcra2D2.Tcrb2D2)1Kuch/J.

No alerts have been found for C57BL/6-Tg(Tcra2D2.Tcrb2D2)1Kuch/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 48 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

Li X, et al. (2026) The TCR-SUB1-DOCK2 axis promotes autoimmunity by driving pathogenic CD4+ T cell tissue infiltration. Immunity, 59(1), 98.

Kim H, et al. (2026) Myelin antigen capture in the CNS by B cells expressing EBV latent membrane protein 1 leads to demyelinating lesion formation. Cell.

Martinez F, et al. (2025) Follicular regulatory T cells promote experimental autoimmune encephalomyelitis by supporting B cell egress from germinal centers. Science translational medicine, 17(813), eady1268.

Zhong X, et al. (2025) Protocol for CRISPR-mediated deletion of cis-regulatory element in murine Th17 cells for in vivo assessment of effector function. STAR protocols, 6(2), 103831.

Wang L, et al. (2025) CLNS1A regulates genome stability and cell cycle progression to control CD4 T cell function and autoimmunity. Science immunology, 10(108), eadq8860.

Dong S, et al. (2025) 3-in-one PD-1CAR Tregs: A bioengineered cellular therapy for target engagement, activation, and immunosuppression with reparative potential. iScience, 28(11), 113677.

Benamar M, et al. (2025) Notch3 destabilizes regulatory T cells to drive autoimmune neuroinflammation in multiple sclerosis. Immunity, 58(11), 2753.

Das M, et al. (2025) S. aureus exposure during cutaneous antigen sensitization causes basophil- and interleukin-4-dependent exaggerated food anaphylaxis. Immunity.

Wang Y, et al. (2025) Cognate interaction-dependent pathogenicity of meningeal B cells drives neuroinflammation relapse. Immunity, 58(9), 2256.

Cordeiro B, et al. (2024) Obesity intensifies sex-specific interferon signaling to selectively worsen central nervous system autoimmunity in females. Cell metabolism, 36(10), 2298.

Fu JY, et al. (2024) Lysine acetyltransferase 6A maintains CD4+ T cell response via epigenetic reprogramming of glucose metabolism in autoimmunity. Cell metabolism, 36(3), 557.

Zhong X, et al. (2024) Distinct ROR?t-dependent Th17 immune responses are required for autoimmune pathogenesis and protection against bacterial infection. Cell reports, 43(11), 114951.

Rossi B, et al. (2023) Alpha4 beta7 integrin controls Th17 cell trafficking in the spinal cord leptomeninges during experimental autoimmune encephalomyelitis. Frontiers in immunology, 14, 1071553.

Patel PS, et al. (2022) Translational regulation of TFH cell differentiation and autoimmune pathogenesis. Science advances, 8(25), eabo1782.

Shi K, et al. (2022) Bone marrow hematopoiesis drives multiple sclerosis progression. Cell, 185(13), 2234.

Sugiura A, et al. (2022) MTHFD2 is a metabolic checkpoint controlling effector and regulatory T cell fate and function. Immunity, 55(1), 65.

Hall JA, et al. (2022) Transcription factor ROR? enforces stability of the Th17 cell effector program by binding to a Rorc cis-regulatory element. Immunity, 55(11), 2027.

Zeng Q, et al. (2022) Cbl-b restrains priming of pathogenic Th17 cells via the inhibition of IL-6 production by macrophages. iScience, 25(10), 105151.

Hernández-Malmierca P, et al. (2022) Antigen presentation safeguards the integrity of the hematopoietic stem cell pool. Cell stem cell, 29(5), 760.

Rustenhoven J, et al. (2021) Functional characterization of the dural sinuses as a neuroimmune interface. Cell, 184(4), 1000.