

Resource Summary Report

Generated by T1D on Sep 21, 2026

B6.Cg-Tg(CD2-icre)4Kio/J

RRID:IMSR_JAX:008520

Type: Organism

Proper Citation

RRID:IMSR_JAX:008520

Organism Information

URL: <https://www.jax.org/strain/008520>

Proper Citation: RRID:IMSR_JAX:008520

Description: Mus musculus with name B6.Cg-Tg(CD2-icre)4Kio/J from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Tg(CD2-cre)4Kio/J

Notes: gene symbol note: CD2 molecule|transgene insertion 4; Dimitris Kioussis|; congenic strain: CD2|Tg(CD2-icre)4Kio|

Affected Gene: CD2 molecule|transgene insertion 4; Dimitris Kioussis|

Genomic Alteration: transgene insertion 4; Dimitris Kioussis

Catalog Number: JAX:008520

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.Cg-Tg(CD2-icre)4Kio/J

Record Creation Time: 20250513T053709+0000

Record Last Update: 20260919T054858+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(CD2-icre)4Kio/J.

No alerts have been found for B6.Cg-Tg(CD2-icre)4Kio/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 15 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

Henriques-Oliveira L, et al. (2025) Anchored screening identifies transcription factor blueprints underlying dendritic cell diversity and subset-specific anti-tumor immunity. *Immunity*.

Scharpf BR, et al. (2025) Prostatic Escherichia coli infection drives CCR2-dependent recruitment of fibrocytes and collagen production. *Disease models & mechanisms*, 18(1).

Peng Y, et al. (2025) Tolerance to non-inherited maternal antigen is sustained by LysM+ CD11c+ maternal microchimeric cells. *Immunity*, 58(9), 2176.

Rodrigues PF, et al. (2025) Ror γ t-positive dendritic cells are required for the induction of peripheral regulatory T cells in response to oral antigens. *Cell*, 188(10), 2720.

Zhang M, et al. (2024) IL-27 disturbs lipid metabolism and restrains mitochondrial activity to inhibit ?? T17 cell-mediated skin inflammation. *Cell death & disease*, 15(7), 491.

Xu Z, et al. (2024) Nuclear HMGB1 is critical for CD8 T cell IFN- γ production and anti-tumor immunity. *Cell reports*, 43(8), 114591.

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

Xiao Z, et al. (2023) METTL3-mediated m6A methylation orchestrates mRNA stability and dsRNA contents to equilibrate ?? T1 and ?? T17 cells. *Cell reports*, 42(7), 112684.

Dai R, et al. (2022) EGR2 Deletion Suppresses Anti-DsDNA Autoantibody and IL-17 Production in Autoimmune-Prone B6/lpr Mice: A Differential Immune Regulatory Role of EGR2 in B6/lpr Versus Normal B6 Mice. *Frontiers in immunology*, 13, 917866.

Liu Q, et al. (2022) IL-1 β -activated mTORC2 promotes accumulation of IFN- γ + ?? T cells by upregulating CXCR3 to restrict hepatic fibrosis. *Cell death & disease*, 13(4), 289.

Argenty J, et al. (2022) A selective LIS1 requirement for mitotic spindle assembly discriminates distinct T-cell division mechanisms within the T-cell lineage. *eLife*, 11.

Feng P, et al. (2021) The kinase PDK1 regulates regulatory T cell survival via controlling redox homeostasis. *Theranostics*, 11(19), 9503.

Wilfahrt D, et al. (2021) Histone deacetylase 3 represses cholesterol efflux during CD4⁺ T-cell activation. *eLife*, 10.

Liu X, et al. (2021) Notch-induced endoplasmic reticulum-associated degradation governs mouse thymocyte γ -selection. *eLife*, 10.

Zhou X, et al. (2021) Stearoyl-CoA Desaturase-Mediated Monounsaturated Fatty Acid Availability Supports Humoral Immunity. *Cell reports*, 34(1), 108601.