

Resource Summary Report

Generated by [NIF](#) on Aug 27, 2026

C57BL/6-Tg(Tcra.Tcrb)2Litt/J

RRID:IMSR_JAX:027230

Type: Organism

Proper Citation

RRID:IMSR_JAX:027230

Organism Information

URL: <https://www.jax.org/strain/027230>

Proper Citation: RRID:IMSR_JAX:027230

Description: Mus musculus with name C57BL/6-Tg(Tcra.Tcrb)2Litt/J from IMSR.

Species: Mus musculus

Synonyms: C57BL/6J-Tg(Tcra.Tcrb)2Litt/J

Notes: gene symbol note: T cell receptor alpha chain|transgene insertion 2; Dan R Littman|T cell receptor beta chain; coisogenic strain|mutant strain: Tcra|Tg(Tcra;Tcrb)2Litt|Tcrb

Affected Gene: T cell receptor alpha chain|transgene insertion 2; Dan R Littman|T cell receptor beta chain

Genomic Alteration: transgene insertion 2; Dan R Littman

Catalog Number: JAX:027230

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: C57BL/6-Tg(Tcra.Tcrb)2Litt/J

Record Creation Time: 20250513T053759+0000

Record Last Update: 20260815T050712+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6-Tg(Tcra.Tcrb)2Litt/J.

No alerts have been found for C57BL/6-Tg(Tcra.Tcrb)2Litt/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Carroll SL, et al. (2025) Identification of distinct cDC2 subpopulations that direct microbiota-specific T cell differentiation. bioRxiv : the preprint server for biology.

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

Sano T, et al. (2021) Redundant cytokine requirement for intestinal microbiota-induced Th17 cell differentiation in draining lymph nodes. Cell reports, 36(8), 109608.

Wu L, et al. (2020) Niche-Selective Inhibition of Pathogenic Th17 Cells by Targeting Metabolic Redundancy. Cell, 182(3), 641.

Esterházy D, et al. (2019) Compartmentalized gut lymph node drainage dictates adaptive immune responses. Nature, 569(7754), 126.