

Resource Summary Report

Generated by [kravitz2](#) on Sep 19, 2026

B10.Cg-Tg(TcrAND)53Hed/J

RRID:IMSR_JAX:002761

Type: Organism

Proper Citation

RRID:IMSR_JAX:002761

Organism Information

URL: <https://www.jax.org/strain/002761>

Proper Citation: RRID:IMSR_JAX:002761

Description: Mus musculus with name B10.Cg-Tg(TcrAND)53Hed/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: T cell receptor beta chain|transgene insertion 53; Stephen M Hedrick|T cell receptor alpha chain; mutant strain|congenic strain:
Tcrb|Tg(TcrAND)53Hed|Tcra

Affected Gene: T cell receptor beta chain|transgene insertion 53; Stephen M Hedrick|T cell receptor alpha chain

Genomic Alteration: transgene insertion 53; Stephen M Hedrick

Catalog Number: JAX:002761

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: B10.Cg-Tg(TcrAND)53Hed/J

Record Creation Time: 20250513T053634+0000

Record Last Update: 20260919T054824+0000

Ratings and Alerts

No rating or validation information has been found for B10.Cg-Tg(TcrAND)53Hed/J.

No alerts have been found for B10.Cg-Tg(TcrAND)53Hed/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Wilhelm KB, et al. (2021) Height, but not binding epitope, affects the potency of synthetic TCR agonists. Biophysical journal, 120(18), 3869.

Campi G, et al. (2005) Actin and agonist MHC-peptide complex-dependent T cell receptor microclusters as scaffolds for signaling. The Journal of experimental medicine, 202(8), 1031.

Yamazaki V, et al. (2005) Cell membrane array fabrication and assay technology. BMC biotechnology, 5, 18.