

Resource Summary Report

Generated by SPARC SAWG on Sep 5, 2026

B6.Cg-Rag1^{tm1Mom} Tyrp1 Tg(Tcra.Tcrb)9Rest/J

RRID:IMSR_JAX:008684

Type: Organism

Proper Citation

RRID:IMSR_JAX:008684

Organism Information

URL: <https://www.jax.org/strain/008684>

Proper Citation: RRID:IMSR_JAX:008684

Description: Mus musculus with name B6.Cg-Rag1^{tm1Mom} Tyrp1 Tg(Tcra.Tcrb)9Rest/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: T cell receptor alpha chain|recombination activating 1|T cell receptor beta chain|transgene insertion 9; Nicholas P Restifo|tyrosinase-related protein 1; congenic strain: Tcra|Rag1|Tcrb|Tg(Tcra;Tcrb)9Rest|Tyrp1

Affected Gene: T cell receptor alpha chain|recombination activating 1|T cell receptor beta chain|transgene insertion 9; Nicholas P Restifo|tyrosinase-related protein 1

Genomic Alteration: transgene insertion 9; Nicholas P Restifo|targeted mutation 1; Peter Mombaerts|white based brown

Catalog Number: JAX:008684

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Rag1^{tm1Mom} Tyrp1 Tg(Tcra.Tcrb)9Rest/J

Record Creation Time: 20250513T053710+0000

Record Last Update: 20260829T045004+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Rag1^{tm1Mom} Tyrp1 Tg(Tcra.Tcrb)9Rest/J.

No alerts have been found for B6.Cg-Rag1^{tm1Mom} Tyrp1 Tg(Tcra.Tcrb)9Rest/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Cole AC, et al. (2025) Adoptively transferred Th17 cells cooperate with host B cells to achieve durable tumor immunity. *Cancer cell*, 43(9), 1697.

Kruse B, et al. (2023) CD4+ T cell-induced inflammatory cell death controls immune-evasive tumours. *Nature*, 618(7967), 1033.

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.

Xue G, et al. (2019) IL-4 together with IL-1 γ induces antitumor Th9 cell differentiation in the absence of TGF- β signaling. *Nature communications*, 10(1), 1376.

Lu Y, et al. (2018) Th9 Cells Represent a Unique Subset of CD4+ T Cells Endowed with the Ability to Eradicate Advanced Tumors. *Cancer cell*, 33(6), 1048.

Wilson KA, et al. (2015) Depletion of B220+NK1.1+ cells enhances the rejection of established melanoma by tumor-specific CD4+ T cells. *Oncoimmunology*, 4(8), e1019196.

Xie Y, et al. (2010) Naive tumor-specific CD4(+) T cells differentiated in vivo eradicate established melanoma. *The Journal of experimental medicine*, 207(3), 651.