

Resource Summary Report

Generated by [NIF](#) on Aug 19, 2026

[Tcrd^{tm1Mom}/Tcrd^{tm1Mom}; Gt\(ROSA\)26Sor^{tm10\(Lmp1\)Rsky}/Gt\(ROSA\)26Sor⁺; Cd19^{tm1\(cre\)Cgn}/Cd19⁺; Tcrb^{tm1Mom}/Tcrb⁺](#)

RRID:MGI:5314090

Type: Organism

Proper Citation

RRID:MGI:5314090

Organism Information

URL:

Proper Citation: RRID:MGI:5314090

Description: Allele Detail: Targeted This is a legacy resource.

Species: Mus musculus

Notes: Allele Detail: Targeted This is a legacy resource.

Phenotype: premature death, enlarged spleen, increased B cell number

Affected Gene: Cd19, Gt(ROSA)26Sor, Tcrb, Tcrd

Genomic Alteration: tm1Mom, tm10(Lmp1)Rsky, tm1(cre)Cgn

Catalog Number: 5314090

Background: involves: 129P2/OlaHsd * 129S2/SvPas * BALB/cJ

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:22341446](#)

Organism Name: Tcrd^{tm1Mom}/Tcrd^{tm1Mom}; Gt(ROSA)26Sor^{tm10(Lmp1)Rsky}/Gt(ROSA)26Sor⁺; Cd19^{tm1(cre)Cgn}/Cd19⁺; Tcrb^{tm1Mom}/Tcrb⁺

Record Creation Time: 20240120T190153+0000

Record Last Update: 20240130T201746+0000

Ratings and Alerts

No rating or validation information has been found for Tcrd^{tm1Mom}/Tcrd^{tm1Mom}; Gt(ROSA)26Sor^{tm10(Lmp1)Rsky}/Gt(ROSA)26Sor⁺; Cd19^{tm1(cre)Cgn}/Cd19⁺; Tcrb^{tm1Mom}/Tcrb⁺.

No alerts have been found for Tcrd^{tm1Mom}/Tcrd^{tm1Mom}; Gt(ROSA)26Sor^{tm10(Lmp1)Rsky}/Gt(ROSA)26Sor⁺; Cd19^{tm1(cre)Cgn}/Cd19⁺; Tcrb^{tm1Mom}/Tcrb⁺.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Mackel JJ, et al. (2022) Classical and ?? T cells are each independently sufficient to establish protection against a classical strain of Klebsiella pneumoniae. *Frontiers in cellular and infection microbiology*, 12, 974175.

Michaels AJ, et al. (2021) Nuclear receptor LXR? controls fitness and functionality of activated T cells. *The Journal of experimental medicine*, 218(4).

Yang Y, et al. (2021) CTLA-4 expression by B-1a B cells is essential for immune tolerance. *Nature communications*, 12(1), 525.

Takahashi D, et al. (2020) Microbiota-derived butyrate limits the autoimmune response by promoting the differentiation of follicular regulatory T cells. *EBioMedicine*, 58, 102913.

Ni X, et al. (2020) Death associated protein kinase 2 suppresses T-B interactions and GC formation. *Molecular immunology*, 128, 249.

Botta D, et al. (2017) Dynamic regulation of T follicular regulatory cell responses by interleukin 2 during influenza infection. *Nature immunology*, 18(11), 1249.

Levine AG, et al. (2017) Stability and function of regulatory T cells expressing the transcription factor T-bet. *Nature*, 546(7658), 421.

Hu H, et al. (2016) Otud7b facilitates T cell activation and inflammatory responses by regulating Zap70 ubiquitination. *The Journal of experimental medicine*, 213(3), 399.

Liu WH, et al. (2016) A miR-155-Peli1-c-Rel pathway controls the generation and function of T follicular helper cells. *The Journal of experimental medicine*, 213(9), 1901.

Chinen T, et al. (2016) An essential role for the IL-2 receptor in Treg cell function. *Nature immunology*, 17(11), 1322.

Koch MA, et al. (2012) T-bet(+) Treg cells undergo abortive Th1 cell differentiation due to impaired expression of IL-12 receptor β 2. *Immunity*, 37(3), 501.

Chinen T, et al. (2010) A critical role for regulatory T cell-mediated control of inflammation in the absence of commensal microbiota. *The Journal of experimental medicine*, 207(11), 2323.