

# Resource Summary Report

Generated by [dkNET](#) on Sep 7, 2026

[Tcrd<sup>tm1Mom</sup>/Tcrd<sup>tm1Mom</sup>; Gt\(ROSA\)26Sor<sup>tm10\(Lmp1\)Rsky</sup>/Gt\(ROSA\)26Sor<sup>+</sup>; Cd19<sup>tm1\(cre\)Cgn</sup>/Cd19<sup>+</sup>; Tcrb<sup>tm1Mom</sup>/Tcrb<sup>+</sup>](#)

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<sup>tm1Mom</sup>/Tcrd<sup>tm1Mom</sup>; Gt(ROSA)26Sor<sup>tm10(Lmp1)Rsky</sup>/Gt(ROSA)26Sor<sup>+</sup>; Cd19<sup>tm1(cre)Cgn</sup>/Cd19<sup>+</sup>; Tcrb<sup>tm1Mom</sup>/Tcrb<sup>+</sup>

**Record Creation Time:** 20240120T190153+0000

**Record Last Update:** 20240130T201746+0000

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## Ratings and Alerts

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

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

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** MGI, Mouse Genome Informatics MGI

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## Usage and Citation Metrics

We found 12 mentions in open access literature.

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

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.

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

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

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  $\beta$ 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.