

Resource Summary Report

Generated by [NIF](#) on Aug 3, 2026

C3H.Cg-*Tcrb*^{tm1Mom}/Mmnc

RRID:MMRRC_000341-UNC

Type: Organism

Proper Citation

RRID:MMRRC_000341-UNC

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=341

Proper Citation: RRID:MMRRC_000341-UNC

Description: Mus musculus with name C3H.Cg-*Tcrb*^{tm1Mom}/Mmnc from MMRRC.

Species: Mus musculus

Notes: Research areas: Cancer, Immunology and Inflammation; Mutation Type: Targeted Mutation ; Collection:

Phenotype: enlarged liver [MP:0000599] enlarged spleen [MP:0000691] spleen hypoplasia [MP:0000694] absent CD8-positive [MP:0000727] alpha-beta T cells [MP:0000938] motor neuron degeneration [MP:0001219] thick epidermis [MP:0001243] abnormal dermal layer morphology [MP:0001263] weight loss [MP:0001805] decreased IgG level [MP:0001807] decreased IgA level [MP:0001823] thymus hypoplasia [MP:0001825] arrested T cell differentiation [MP:0002023] increased B cell derived lymphoma incidence [MP:0002083] premature death [MP:0002132] abnormal respiratory system morphology [MP:0002133] abnormal respiratory system physiology [MP:0002144] abnormal B cell differentiation [MP:0002492] decreased IgE level [MP:0002494] increased IgM level [MP:0002495] increased IgA level [MP:0002816] colitis [MP:0003691] abnormal microglial cell physiology [MP:0003725] increased autoantibody level [MP:0003726] decreased autoantibody level [MP:0003790] absent CD4-positive [MP:0004762] alpha beta T cells [MP:0004796] increased anti-double stranded DNA antibody level [MP:0004829] increased anti-histone antibody level [MP:0004939] increased anti-chromatin antibody level [MP:0004947] abnormal B cell morphology [MP:0005014] skin inflammation [MP:0005015] increased B cell number [MP:0005016] increased T cell number [MP:0005017] decreased lymphocyte cell number [MP:0005018] decreased B cell number [MP:0005025] decreased T cell number [MP:0005092] abnormal response to infection [MP:0008075] decreased double-positive T cell number [MP:0008079] decreased CD4-positive [MP:0008098] alpha beta T cell number [MP:0008173] decreased CD8-positive [MP:0008181] alpha-beta T cell number

[MP:0008188]| decreased plasma cell number [MP:0008210]| increased follicular B cell number [MP:0008214]| increased marginal zone B cell number [MP:0008495]| abnormal transitional stage B cell morphology [MP:0009925]| increased mature B cell number [MP:0010229]| increased immature B cell number [MP:0010286]| decreased IgG1 level [MP:0011320]| increased transitional stage T2 B cell number [MP:0011427]| increased transitional stage T3 B cell number [MP:0020519]

Affected Gene: Tcrb

Catalog Number: 000341-UNC

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:1359428](#), [PMID:2108043](#), [PMID:1730159](#), [PMID:1707404](#)

Alternate IDs: MMRRC_341-UNC, MMRRC_000341, MMRRC_341

Organism Name: C3H.Cg-*Tcrb*^{tm1Mom}/Mmnc

Record Creation Time: 20230308T054752+0000

Record Last Update: 20260801T123213+0000

Ratings and Alerts

No rating or validation information has been found for C3H.Cg-*Tcrb*^{tm1Mom}/Mmnc.

No alerts have been found for C3H.Cg-*Tcrb*^{tm1Mom}/Mmnc.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Mutant Mouse Resource and Research Center (MMRRC)

Usage and Citation Metrics

We have not found any literature mentions for this resource.