

Resource Summary Report

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C57BL/6NTac-*l15^{tm1lmx}*/TacMmnc

RRID:MMRRC_037398-UNC

Type: Organism

Proper Citation

RRID:MMRRC_037398-UNC

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=37398

Proper Citation: RRID:MMRRC_037398-UNC

Description: Mus musculus with name C57BL/6NTac-*l15^{tm1lmx}*/TacMmnc from MMRRC.

Species: Mus musculus

Notes: Research areas: ; Mutation Type: Targeted Mutation ; Collection:

Phenotype: increased monocyte cell number [MP:0000220] abnormal immune system morphology [MP:0000685] decreased body weight [MP:0001262] abnormal immune system physiology [MP:0001790] altered susceptibility to infection [MP:0001793] decreased IgG level [MP:0001805] decreased IgM level [MP:0001806] premature death [MP:0002083] small lymph nodes [MP:0002217] abnormal dendritic cell physiology [MP:0002376] decreased immunoglobulin level [MP:0002460] abnormal lymphocyte morphology [MP:0002619] abnormal cytokine secretion [MP:0003009] abnormal decidualization [MP:0003845] abnormal uterine artery morphology [MP:0003995] abnormal CD8-positive [MP:0004392] alpha-beta T cell physiology [MP:0004794] increased anti-nuclear antigen antibody level [MP:0004801] increased susceptibility to systemic lupus erythematosus [MP:0004974] decreased regulatory T cell number [MP:0005027] increased susceptibility to parasitic infection [MP:0005070] impaired natural killer cell mediated cytotoxicity [MP:0005616] decreased susceptibility to type IV hypersensitivity reaction [MP:0008045] decreased NK cell number [MP:0008047] absent uterine NK cells [MP:0008050] decreased memory T cell number [MP:0008053] abnormal NK cell differentiation [MP:0008079] decreased CD8-positive [MP:0008080] alpha-beta T cell number [MP:0008127] abnormal CD8-positive [MP:0008363] alpha-beta T cell differentiation [MP:0008470] decreased dendritic cell number [MP:0008499] decreased CD8-positive [MP:0008500] gamma-delta intraepithelial T cell number [MP:0008501] abnormal spleen B cell follicle morphology [MP:0008567] increased IgG1 level [MP:0008664] increased IgG2a level [MP:0008827] increased IgG2b level

[MP:0009338]| decreased interferon-gamma secretion [MP:0009789]| decreased interleukin-12 secretion [MP:0009791]| abnormal thymus cell ratio [MP:0020519]

Affected Gene: Il15

Catalog Number: 037398-UNC

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:10704459](https://pubmed.ncbi.nlm.nih.gov/10704459/)

Alternate IDs: MMRRC_37398-UNC, MMRRC_037398, MMRRC_37398

Organism Name: C57BL/6NTac-*Il15^{tm1Imx}*/TacMmnc

Record Creation Time: 20230308T055150+0000

Record Last Update: 20260808T124124+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6NTac-*Il15^{tm1Imx}*/TacMmnc.

No alerts have been found for C57BL/6NTac-*Il15^{tm1Imx}*/TacMmnc.

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.