

Resource Summary Report

Generated by [NIF](#) on Aug 21, 2026

[Il15^{tm1Imx}](#)/[Il15^{tm1Imx}](#)

RRID:MGI:3590155

Type: Organism

Proper Citation

RRID:MGI:3590155

Organism Information

URL:

Proper Citation: RRID:MGI:3590155

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

Species: *Mus musculus*

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

Phenotype: decreased regulatory T cell number, decreased immunoglobulin level, increased susceptibility to parasitic infection, impaired natural killer cell mediated cytotoxicity, decreased IgG level, decreased susceptibility to type IV hypersensitivity reaction, decreased interferon-gamma secretion, decreased interleukin-12 secretion, increased susceptibility to viral infection induced morbidity/mortality, small lymph nodes, altered susceptibility to infection, increased susceptibility to viral infection induced morbidity/mortality, decreased NK cell number, abnormal decidualization, abnormal lymphocyte morphology, abnormal immune system physiology, decreased CD8-positive, alpha-beta T cell number, decreased NK cell number, abnormal immune system morphology, decreased IgM level, absent uterine NK cells, decreased NK cell number, decreased dendritic cell number, abnormal cytokine secretion, decreased memory T cell number, decreased body weight, decreased CD8-positive, alpha-beta T cell number, decreased CD8-positive, gamma-delta intraepithelial T cell number, abnormal CD8-positive, alpha-beta T cell physiology, abnormal uterine artery morphology, decreased susceptibility to bacterial infection induced morbidity/mortality

Affected Gene: *Il15*

Genomic Alteration: *tm1Imx*

Catalog Number: 3590155

Background: involves: C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:23805138](#), [PMID:12816981](#), [PMID:10704459](#), [PMID:15767447](#), [PMID:19913445](#), [PMID:15630141](#), [PMID:14635060](#), [PMID:16449532](#), [PMID:15845528](#), [PMID:19084435](#), [PMID:16860759](#)

Organism Name: Il15^{tm1Imx}/Il15^{tm1Imx}

Record Creation Time: 20240120T190620+0000

Record Last Update: 20240130T202016+0000

Ratings and Alerts

No rating or validation information has been found for Il15^{tm1Imx}/Il15^{tm1Imx}.

No alerts have been found for Il15^{tm1Imx}/Il15^{tm1Imx}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Jarjour NN, et al. (2025) Collaboration between interleukin-7 and -15 enables adaptation of tissue-resident and circulating memory CD8⁺ T??cells to cytokine deficiency. Immunity, 58(3), 616.