

# Resource Summary Report

Generated by [ASWG](#) on Jul 31, 2026

[Il15<sup>tm1Imx</sup>](#)/[Il15<sup>tm1Imx</sup>](#)

RRID:MGI:3590155

Type: Organism

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## Proper Citation

RRID:MGI:3590155

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## 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<sup>tm1Imx</sup>/Il15<sup>tm1Imx</sup>

**Record Creation Time:** 20240120T190620+0000

**Record Last Update:** 20240130T202016+0000

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## Ratings and Alerts

No rating or validation information has been found for Il15<sup>tm1Imx</sup>/Il15<sup>tm1Imx</sup>.

No alerts have been found for Il15<sup>tm1Imx</sup>/Il15<sup>tm1Imx</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 1 mentions in open access literature.

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

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