

Resource Summary Report

Generated by [NIF](#) on Aug 26, 2026

[Irak3^{tm1Flv}](#)/[Irak3^{tm1Flv}](#)

RRID:MGI:3584247

Type: Organism

Proper Citation

RRID:MGI:3584247

Organism Information

URL:

Proper Citation: RRID:MGI:3584247

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

Species: Mus musculus

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

Phenotype: increased susceptibility to endotoxin shock, abnormal innate immunity, enlarged Peyer's patches, increased tumor necrosis factor secretion, decreased trabecular bone volume, decreased body size, decreased compact bone thickness, decreased diameter of femur, abnormal osteoclast physiology, increased osteoblast cell number, abnormal compact bone morphology, abnormal trabecular bone morphology, increased interleukin-12b secretion, increased interleukin-6 secretion, increased neutrophil cell number, abnormal inflammatory response, kyphosis, increased osteoclast cell number, abnormal Peyer's patch morphology, abnormal immune system morphology

Affected Gene: Irak3

Genomic Alteration: tm1Flv

Catalog Number: 3584247

Background: involves: 129S1/Sv * C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:12150927](#), [PMID:15809356](#)

Organism Name: Irak3^{tm1Flv}/Irak3^{tm1Flv}

Record Creation Time: 20240120T190625+0000

Record Last Update: 20240130T202118+0000

Ratings and Alerts

No rating or validation information has been found for Irak3^{tm1Flv}/Irak3^{tm1Flv}.

No alerts have been found for Irak3^{tm1Flv}/Irak3^{tm1Flv}.

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](#) .

Borghese F, et al. (2025) IRAK3 is upregulated in rheumatoid arthritis synovium and delays the onset of experimental arthritis. Frontiers in immunology, 16, 1468341.