

Resource Summary Report

Generated by [ASWG](#) on Aug 9, 2026

[Irf4^{tm1Mak}](#)/[Irf4^{tm1Mak}](#)

RRID:MGI:3584108

Type: Organism

Proper Citation

RRID:MGI:3584108

Organism Information

URL:

Proper Citation: RRID:MGI:3584108

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

Species: Mus musculus

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

Phenotype: abnormal immune system cell morphology, decreased immunoglobulin level, increased susceptibility to viral infection, abnormal immune system physiology, absent plasma cells, abnormal B cell differentiation, abnormal spleen morphology, immune system phenotype, enlarged spleen, decreased T cell proliferation, decreased B cell proliferation, increased lymphocyte cell number, arrested B cell differentiation, absent spleen germinal center, abnormal lymph node morphology, enlarged lymph nodes, absent lymph node germinal center, decreased dendritic cell number, altered tumor susceptibility

Affected Gene: Irf4

Genomic Alteration: tm1Mak

Catalog Number: 3584108

Background: involves: 129P2/OlaHsd

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:15184678](#), [PMID:21419662](#), [PMID:8999800](#)

Organism Name: Irf4^{tm1Mak}/Irf4^{tm1Mak}

Record Creation Time: 20240120T190625+0000

Record Last Update: 20240130T202019+0000

Ratings and Alerts

No rating or validation information has been found for Irf4^{tm1Mak}/Irf4^{tm1Mak}.

No alerts have been found for Irf4^{tm1Mak}/Irf4^{tm1Mak}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Low MSY, et al. (2019) IRF4 Activity Is Required in Established Plasma Cells to Regulate Gene Transcription and Mitochondrial Homeostasis. Cell reports, 29(9), 2634.

Wu J, et al. (2017) Ablation of Transcription Factor IRF4 Promotes Transplant Acceptance by Driving Allogenic CD4+ T Cell Dysfunction. Immunity, 47(6), 1114.