

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 24, 2026

Tlr4^{tm1Aki}/Tlr4^{tm1Aki}

RRID:MGI:3588776

Type: Organism

Proper Citation

RRID:MGI:3588776

Organism Information

URL:

Proper Citation: RRID:MGI:3588776

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

Species: Mus musculus

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

Phenotype: impaired neutrophil chemotaxis, enlarged lymph nodes, abnormal acute inflammation, decreased hemoglobin content, increased susceptibility to bacterial infection

Affected Gene: Tlr4

Genomic Alteration: tm1Aki

Catalog Number: 3588776

Background: involves: 129P2/OlaHsd * C57BL/6J

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:15826931](#)

Organism Name: Tlr4^{tm1Aki}/Tlr4^{tm1Aki}

Record Creation Time: 20240120T190622+0000

Record Last Update: 20240130T202018+0000

Ratings and Alerts

No rating or validation information has been found for Tlr4^{tm1Aki}/Tlr4^{tm1Aki}.

No alerts have been found for Tlr4^{tm1Aki}/Tlr4^{tm1Aki}.

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 [PRECISE-TBI](#) .

Xu X, et al. (2020) Arctigenin protects against depression by inhibiting microglial activation and neuroinflammation via HMGB1/TLR4/NF- κ B and TNF- α /TNFR1/NF- κ B pathways. British journal of pharmacology, 177(22), 5224.