

Resource Summary Report

Generated by [NIF](#) on Aug 14, 2026

[Tlr4Lps-d/Tlr4Lps-d](#)

RRID:MGI:3706990

Type: Organism

Proper Citation

RRID:MGI:3706990

Organism Information

URL:

Proper Citation: RRID:MGI:3706990

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

Species: *Mus musculus*

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

Phenotype: decreased susceptibility to bone fracture, liver inflammation, decreased neuron apoptosis, dilated pulmonary alveolar ducts, pulmonary edema, abnormal liver physiology, decreased circulating insulin level, improved glucose tolerance, abnormal glucose homeostasis, increased bone mineral density, decreased sensitivity to induced morbidity/mortality, decreased respiratory quotient, increased bone mass, increased bone mineral content, abnormal myelin sheath morphology, decreased cerebral infarction size, abnormal macrophage chemotaxis, abnormal motor coordination/balance, decreased hepatocyte apoptosis, decreased cerebral infarction size, decreased susceptibility to ischemic brain injury, abnormal phagocyte morphology, homeostasis/metabolism phenotype, increased susceptibility to viral infection induced morbidity/mortality, abnormal interleukin level, increased oxygen consumption, decreased susceptibility to weight loss, decreased liver triglyceride level, abnormal circulating glucose level, abnormal locomotor behavior, decreased body temperature, altered susceptibility to infection, abnormal hepatocyte morphology, lung inflammation, abnormal circulating leptin level, enlarged lung, focal hepatic necrosis, abnormal nervous system morphology, hematopoietic system phenotype, abnormal spleen weight, increased adiponectin level, abnormal respiratory system morphology, rectal hemorrhage, decreased body size, decreased fat cell size, decreased epididymal fat pad weight, increased circulating interleukin-6 level, abnormal gas homeostasis, decreased percent body fat/body weight, abnormal lipid level, decreased body weight, abnormal tumor necrosis factor level, abnormal fatty acid level, abnormal muscle cell glucose uptake, abnormal pulmonary alveolus morphology, abnormal microglial cell physiology, abnormal respiratory system physiology, abnormal

cytokine level

Affected Gene: Tlr4

Genomic Alteration: Lps-d

Catalog Number: 3706990

Background: C3H/HeJ-Tlr4

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:17519423](#), [PMID:15731076](#), [PMID:17403033](#), [PMID:17188246](#), [PMID:17053835](#), [PMID:15795240](#), [PMID:18802464](#), [PMID:15208271](#), [PMID:17353199](#), [PMID:17767165](#), [PMID:15879150](#), [PMID:16118350](#), [PMID:17693552](#), [PMID:8982246](#)

Organism Name: Tlr4^{Lps-d}/Tlr4^{Lps-d}

Record Creation Time: 20240120T190525+0000

Record Last Update: 20240130T201944+0000

Ratings and Alerts

No rating or validation information has been found for Tlr4^{Lps-d}/Tlr4^{Lps-d}.

No alerts have been found for Tlr4^{Lps-d}/Tlr4^{Lps-d}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We have not found any literature mentions for this resource.