

Resource Summary Report

Generated by [NIF](#) on Aug 12, 2026

B6.129P2-MyD88/Trif^{tm1Aki}/Obs

RRID:IMSR_OBS:22

Type: Organism

Proper Citation

RRID:IMSR_OBS:22

Organism Information

URL: https://orientalbioservice.com/index.files/tlr_eng.htm

Proper Citation: RRID:IMSR_OBS:22

Description: Mus musculus with name B6.129P2-MyD88/Trif^{tm1Aki}/Obs from IMSR.

Species: Mus musculus

Synonyms: B6.129P2-Myd88 Ticam1/Obs. Myd88/TRIF Double KO

Notes: gene symbol note: myeloid differentiation primary response gene 88|TIR domain containing adaptor molecule 1; mutant strain|congenic strain: Myd88|Ticam1

Affected Gene: myeloid differentiation primary response gene 88|TIR domain containing adaptor molecule 1

Genomic Alteration: targeted mutation 1; Shizuo Akira|targeted mutation Shizuo Akira

Catalog Number: OBS:22

Database: Oriental BioService, Inc.

Database Abbreviation: OBS

Availability: embryo

Organism Name: B6.129P2-MyD88/Trif^{tm1Aki}/Obs

Record Creation Time: 20250513T062204+0000

Record Last Update: 20260808T055656+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2-MyD88/Trif^{tm1Aki}/Obs.

No alerts have been found for B6.129P2-MyD88/Trif^{tm1Aki}/Obs.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Oriental BioService, Inc.

Usage and Citation Metrics

We found 49 mentions in open access literature.

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

Li X, et al. (2026) CXCR6+ T cells promote apoptosis and necroptosis in proximal tubules during AKI-to-CKD transition. *Cell death & disease*, 17(1).

Kadivella M, et al. (2025) Adjuvant activity of a small molecule TLR4 agonist discovered via structure-based virtual screening. *Communications biology*, 8(1), 1382.

Silva de Oliveira R, et al. (2025) Bifidobacteria-derived exopolysaccharide promotes anti-tumor immunity. *Cell reports*, 44(9), 116223.

Lasser S, et al. (2024) Generation of Myeloid-Derived Suppressor Cells Mediated by MicroRNA-125a-5p in Melanoma. *International journal of molecular sciences*, 25(12).

Gross JL, et al. (2024) Bactericidal antibiotic treatment induces damaging inflammation via TLR9 sensing of bacterial DNA. *Nature communications*, 15(1), 10359.

Tregoning JS, et al. (2023) Formulation, inflammation, and RNA sensing impact the immunogenicity of self-amplifying RNA vaccines. *Molecular therapy. Nucleic acids*, 31, 29.

Greene CJ, et al. (2022) Macrophages disseminate pathogen associated molecular patterns through the direct extracellular release of the soluble content of their phagolysosomes. *Nature communications*, 13(1), 3072.

Wong AO, et al. (2022) Macrophage inflammatory state influences susceptibility to lysosomal damage. *Journal of leukocyte biology*, 111(3), 629.

Yang X, et al. (2022) The Mycotoxin Beauvericin Exhibits Immunostimulatory Effects on Dendritic Cells via Activating the TLR4 Signaling Pathway. *Frontiers in immunology*, 13, 856230.

Varese A, et al. (2022) Type I interferons and MAVS signaling are necessary for tissue resident memory CD8+ T cell responses to RSV infection. *PLoS pathogens*, 18(2), e1010272.

Pereira M, et al. (2022) The IRAK4 scaffold integrates TLR4-driven TRIF and MYD88 signaling pathways. *Cell reports*, 40(7), 111225.

Yamamoto K, et al. (2022) Protocol for generating a mouse model of gastric MALT lymphoma and the identification of MALT lymphoma cell populations by immunostaining. *STAR protocols*, 3(1), 101155.

Mysore V, et al. (2021) Fc γ R engagement reprograms neutrophils into antigen cross-presenting cells that elicit acquired anti-tumor immunity. *Nature communications*, 12(1), 4791.

Smulan LJ, et al. (2021) Sirtuin 3 Downregulation in Mycobacterium tuberculosis-Infected Macrophages Reprograms Mitochondrial Metabolism and Promotes Cell Death. *mBio*, 12(1).

Crittenden S, et al. (2021) Prostaglandin E2 promotes intestinal inflammation via inhibiting microbiota-dependent regulatory T cells. *Science advances*, 7(7).

Okumura S, et al. (2021) Gut bacteria identified in colorectal cancer patients promote tumorigenesis via butyrate secretion. *Nature communications*, 12(1), 5674.

Yamamoto K, et al. (2021) The TLR4-TRIF-type 1 IFN-IFN- γ pathway is crucial for gastric MALT lymphoma formation after Helicobacter suis infection. *iScience*, 24(9), 103064.

Dosch M, et al. (2019) Connexin-43-dependent ATP release mediates macrophage activation during sepsis. *eLife*, 8.

Kirsebom FCM, et al. (2019) Neutrophil recruitment and activation are differentially dependent on MyD88/TRIF and MAVS signaling during RSV infection. *Mucosal immunology*, 12(5), 1244.

Hey YY, et al. (2019) A novel myeloid cell in murine spleen defined through gene profiling. *Journal of cellular and molecular medicine*, 23(8), 5128.