

# Resource Summary Report

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## B6.129P2(SJL)-Myd88<sup>tm1.1Defr/J</sup>

RRID:IMSR\_JAX:009088

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:009088

### Organism Information

**URL:** <https://www.jax.org/strain/009088>

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**Description:** Mus musculus with name B6.129P2(SJL)-Myd88<sup>tm1.1Defr/J</sup> from IMSR.

**Species:** Mus musculus

**Notes:** gene symbol note: myeloid differentiation primary response gene 88; mutant strain|congenic strain: Myd88

**Affected Gene:** myeloid differentiation primary response gene 88

**Genomic Alteration:** targeted mutation 1.1; Anthony L DeFranco

**Catalog Number:** JAX:009088

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** live

**Organism Name:** B6.129P2(SJL)-Myd88<sup>tm1.1Defr/J</sup>

**Record Creation Time:** 20250513T053713+0000

**Record Last Update:** 20260725T044423+0000

### Ratings and Alerts

No rating or validation information has been found for B6.129P2(SJL)-Myd88<sup>tm1.1Defr/J</sup>.

No alerts have been found for B6.129P2(SJL)-Myd88<sup>tm1.1Defr/J</sup>.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** JAX Mice and Services

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## Usage and Citation Metrics

We found 179 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [nidm-terms](#) .

Luo M, et al. (2025) Regulating PPARG Reduces Lipid Accumulation in Microglia and Promotes Functional Recovery After Spinal Cord Injury. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(43), e06313.

Fuhrmann F, et al. (2025) Three-photon in vivo imaging of neurons and glia in the medial prefrontal cortex with sub-cellular resolution. *Communications biology*, 8(1), 795.

Jin H, et al. (2025) Neutrophil Mobilization Triggers Microglial Functional Change to Exacerbate Cerebral Ischemia-Reperfusion Injury. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(36), e03722.

Ghena N, et al. (2025) CD11c-Expressing Microglia Are Transient, Driven by Interactions With Apoptotic Cells. *Glia*, 73(5), 1077.

Ährlund-Richter S, et al. (2025) Persistent Disruptions in Prefrontal Connectivity Despite Behavioral Rescue by Environmental Enrichment in a Mouse Model of Rett Syndrome. *The Journal of comparative neurology*, 533(7), e70073.

Härdtnr C, et al. (2025) NLRP3 mediates lipid-driven macrophage proliferation in established atherosclerosis. *Basic research in cardiology*, 120(6), 1141.

Jovanovic J, et al. (2025) Diet gel-based oral drug delivery system for controlled dosing of small molecules for microglia depletion and inducible Cre recombination in mice. *Lab animal*, 54(10), 278.

Ding C, et al. (2025) METTL3 modulates colonic epithelium integrity via maintaining the self-renewal and differentiation of Lgr5+ stem cell. *Journal of molecular cell biology*, 17(2).

Clement RL, et al. (2025) IFN $\gamma$  Signaling Impairs Regulatory B Cell Function Resulting in Worse Control of Esophageal Food Allergy. *Allergy*, 80(10), 2824.

Fang X, et al. (2025) *Staphylococcus Aureus* Tames Nociceptive Neurons to Suppress Synovial Macrophage Responses for Sustained Infection in Septic Arthritis. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(14), e2409251.

Chamma H, et al. (2025) The methyl-CpG-binding protein 2 inhibits cGAS-associated signaling. *Nature communications*, 16(1), 9827.

Cho HS, et al. (2025) Structure of gut microbial glycolipid modulates host inflammatory response. *Cell*.

Mirji G, et al. (2025) Aromatic microbial metabolite hippuric acid enhances inflammatory responses in macrophages via TLR-MyD88 signaling and lipid remodeling. *Cell reports*, 45(1), 116749.

Czauderna A, et al. (2025) Long-chain unsaturated fatty acids released during immune responses stimulate host-microbe trans-kingdom communication. *Cell host & microbe*.

Baptista AP, et al. (2025) TLR ligand sensing by lymph node FRCs directs intranodal lymphocyte accumulation to promote immune responses. *iScience*, 28(11), 113734.

Wells AC, et al. (2024) Adaptive immunity to retroelements promotes barrier integrity. *bioRxiv : the preprint server for biology*.

Ghobashi AH, et al. (2024) Single-Cell Profiling Reveals the Impact of Genetic Alterations on the Differentiation of Inflammation-Induced Murine Colon Tumors. *Cancers*, 16(11).

Yu T, et al. (2024) NLRP3 Cys126 palmitoylation by ZDHHC7 promotes inflammasome activation. *Cell reports*, 43(4), 114070.

Gaertner F, et al. (2024) Plasmacytoid dendritic cells control homeostasis of megakaryopoiesis. *Nature*, 631(8021), 645.

Wu M, et al. (2024) Gut complement induced by the microbiota combats pathogens and spares commensals. *Cell*, 187(4), 897.