

Resource Summary Report

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B6.129P2(SJL)-Myd88^{tm1.1Defr/J}

RRID:IMSR_JAX:009088

Type: Organism

Proper Citation

RRID:IMSR_JAX:009088

Organism Information

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

Proper Citation: RRID:IMSR_JAX:009088

Description: Mus musculus with name B6.129P2(SJL)-Myd88^{tm1.1Defr/J} 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^{tm1.1Defr/J}

Record Creation Time: 20250513T053713+0000

Record Last Update: 20260808T050917+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2(SJL)-Myd88^{tm1.1Defr/J}.

No alerts have been found for B6.129P2(SJL)-Myd88^{tm1.1Defr/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 188 mentions in open access literature.

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

Blamberg R, et al. (2026) Mincle-dependent Th17 adjuvanticity requires TNFR1 signaling in myeloid cells. *Frontiers in immunology*, 17, 1746618.

Sinha A, et al. (2026) Astrocytic Regulation of Aberrant Perineuronal Net Formation in Mecp2-Null Neocortex. *Journal of neurochemistry*, 170(6), e70503.

Laouteouet D, et al. (2026) Monocyte-Derived Macrophages-Synovial Fibroblasts Crosstalk Unravels Oncostatin Signaling Network as a Driver of Synovitis in Osteoarthritis. *Arthritis & rheumatology (Hoboken, N.J.)*, 78(1), 105.

Chen K, et al. (2026) Targeting circulating mechanoresponsive monocytes and macrophages to reduce fibrosis. *Nature biomedical engineering*, 10(6), 1247.

Torrico EC, et al. (2026) High-fat diet causes rapid loss of intestinal group 3 innate lymphoid cells through microbiota-driven inflammation and mitochondrial stress. *Immunity*, 59(4), 988.

Lin SC, et al. (2026) MyD88 signaling in myeloid cells induces gastrointestinal tract injury and systemic inflammation after West Nile virus infection. *Cell reports*, 45(1), 116852.

Mosley SR, et al. (2026) Cytosolic DNA structures produced by mismatch repair deficiency coordinate anti-tumor immunity in colorectal cancer. *Cell reports*, 45(3), 117012.

Arumugam P, et al. (2026) Mitochondrial transfer to granulocytic myeloid-derived suppressor cells augments immunosuppressive activity. *Cell reports*, 45(3), 117057.

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.

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.

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

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.

Härdtnér 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.

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.

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).

Castaño D, et al. (2025) Distinct components of mRNA vaccines cooperate to instruct efficient germinal center responses. *Cell*, 188(26), 7461.

Clement RL, et al. (2025) IFN γ 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.