

Resource Summary Report

Generated by [NIF](#) on Sep 5, 2026

SJL/J

RRID:IMSR_JAX:000686

Type: Organism

Proper Citation

RRID:IMSR_JAX:000686

Organism Information

URL: <https://www.jax.org/strain/000686>

Proper Citation: RRID:IMSR_JAX:000686

Description: Mus musculus with name SJL/J from IMSR.

Species: Mus musculus

Synonyms: Swiss Jim Lambert. SJL/J-Pde6b

Notes: gene symbol note: oculocutaneous albinism II|dysferlin|aryl-hydrocarbon receptor|hemoglobin beta chain complex|G protein-coupled receptor 84|beta-2 microglobulin|disrupted in schizophrenia 1|phosphodiesterase 6B; cGMP; rod receptor; beta polypeptide|8-oxoguanine DNA-glycosylase 1|resistance to MCF virus|MX dynamin-like GTPase 1|CD5 antigen|CEA cell adhesion molecule 1|interleukin 2; inbred strain: Oca2|Dysf|Ahr|Hbb|Gpr84|B2m|Disc1|Pde6b|Ogg1|Rmcf|Mx1|Cd5|Ceacam1|Il2

Affected Gene: oculocutaneous albinism II|dysferlin|aryl-hydrocarbon receptor|hemoglobin beta chain complex|G protein-coupled receptor 84|beta-2 microglobulin|disrupted in schizophrenia 1|phosphodiesterase 6B; cGMP; rod receptor; beta polypeptide|8-oxoguanine DNA-glycosylase 1|resistance to MCF virus|MX dynamin-like GTPase 1|CD5 antigen|CEA cell adhesion molecule 1|interleukin 2

Genomic Alteration: pink-eyed dilution|inflammatory myopathy|d variant|single|deletion|a variant|retinal degeneration 1|mutation 2|MCF sensitive|myxovirus susceptibility 1|mutation 1|b variant|hepatitis virus (MHV-4) resistance

Catalog Number: JAX:000686

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: SJL/J

Record Creation Time: 20250513T053620+0000

Record Last Update: 20260905T044357+0000

Ratings and Alerts

No rating or validation information has been found for SJL/J.

No alerts have been found for SJL/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 507 mentions in open access literature.

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

Thomas OG, et al. (2026) Anoctamin-2-specific T cells link Epstein-Barr virus to multiple sclerosis. Cell.

Tian H, et al. (2026) A bispecific antibody designed to act as a NRP2/PLXNA1 agonist mimics anticancer activity of SEMA3F. The Journal of biological chemistry, 302(2), 111056.

Thompson C, et al. (2026) Dual Role of Ninjurin-1 in Myeloid Cell Adhesion and Inflammation in Relapse-Remitting EAE. bioRxiv : the preprint server for biology.

Lang X, et al. (2026) Early Combined B-Cell Depletion and BTK Inhibition Reduced TLS-like Structures and Relapse in PLP139-151-Induced EAE. International journal of molecular sciences, 27(12).

Rock RR, et al. (2026) Female-enriched Eggerthella lenta drives neuroinflammation and IFN- γ via host receptor TLR2. bioRxiv : the preprint server for biology.

Lötsch J, et al. (2026) Dimensionality-modulated generative AI for safe biomedical dataset augmentation. iScience, 29(1), 114321.

Kim Y, et al. (2026) Microglia TFEB activation attenuates Alzheimer's disease pathology by enhancing autophagy-lysosomal function. Journal of neuroinflammation, 23(1).

Ahmad I, et al. (2026) The Safety of Alcaligenes Lipid A in a Virus-Induced Immune Disease Model Associated with IgA, Th17 Cells, and Microbiota. Viruses, 18(2).

Zupo L, et al. (2026) Transcriptome analysis of the prefrontal cortex identifies inflammatory genes associated with cognitive impairment in a model of multiple sclerosis. *Cell death discovery*, 12(1).

Long Z, et al. (2026) From Demyelination to Intervention: Natural Compounds as Emerging Therapeutic Targets in Multiple Sclerosis Neuroinflammation. *Journal of immunology research*, 2026(1), e6333512.

Sahebdel F, et al. (2026) miR-19a-3p and miR-19b-3p Promote Microglia Activation Associated With Neuroinflammation. *Journal of neuroscience research*, 104(7), e70137.

Panigaj M, et al. (2026) Expanding Chemical Space of Nucleic Acid Nanoparticles for Tunable Antiviral-Like Immunomodulatory Responses and Potent Adjuvant Activity. *Advanced functional materials*.

Sahebdel F, et al. (2026) miR-19a-3p and miR-19b-3p repress Nurr1 and Nur77 to promote microglial inflammation after spinal cord injury. *Frontiers in cellular neuroscience*, 20, 1783899.

Podojil JR, et al. (2026) STING/type I interferon pathway is required for antigen-containing PLGA nanoparticle- and apoptotic cell-induced CD4⁺ T cell tolerance. *Science advances*, 12(1), eadv8860.

Kishida K, et al. (2026) Immune-induced TCR-like antibodies regulate specific T cell response in mice. *Nature communications*, 17(1).

Thompson C, et al. (2026) Dual role of Ninjurin-1 in myeloid cell adhesion and inflammation in relapse-remitting EAE. *Frontiers in immunology*, 17, 1803382.

Lee BC, et al. (2026) Administration of Pdgk1 missense mutation leads to more effective mitigation of neurodegenerative effects observed in ALS mice and transgenic zebrafish. *Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie*, 201, 119674.

Lalor R, et al. (2025) An immunoregulatory amphipathic peptide derived from *Fasciola hepatica* helminth defense molecule (FhHDM-1.C2) exhibits potent biotherapeutic activity in a murine model of multiple sclerosis. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 39(4), e70380.

Zahoor I, et al. (2025) Profiling Blood-Based Neural Biomarkers and Cytokines in Experimental Autoimmune Encephalomyelitis Model of Multiple Sclerosis Using Single-Molecule Array Technology. *International journal of molecular sciences*, 26(7).

Lötsch J, et al. (2025) Targeted lipidomics dataset of central nervous system and plasma from mice with experimental autoimmune encephalomyelitis. *Data in brief*, 62, 111948.