

Resource Summary Report

Generated by [RRID](#) on Jul 29, 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: interleukin 2|hemoglobin beta chain complex|CEA cell adhesion molecule 1|8-oxoguanine DNA-glycosylase 1|resistance to MCF virus|disrupted in schizophrenia 1|MX dynamin-like GTPase 1|G protein-coupled receptor 84|phosphodiesterase 6B; cGMP; rod receptor; beta polypeptide|aryl-hydrocarbon receptor|oculocutaneous albinism II|beta-2 microglobulin|dysferlin|CD5 antigen; inbred strain: Il2|Hbb|Ceacam1|Ogg1|Rmcf|Disc1|Mx1|Gpr84|Pde6b|Ahr|Oca2|B2m|Dysf|Cd5

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

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

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: 20260725T044328+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 489 mentions in open access literature.

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

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

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.

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.

Tolman NG, et al. (2025) Absence of Glaucoma in Tg-MYOCY437H Mice of Diverse Genetic Backgrounds. Investigative ophthalmology & visual science, 66(12), 40.

Woo MS, et al. (2025) The immunoproteasome disturbs neuronal metabolism and drives neurodegeneration in multiple sclerosis. Cell, 188(17), 4567.

Ahmad I, et al. (2025) Gut Microbiota in a Viral Model of Multiple Sclerosis: Modulation and Pitfalls by Oral Antibiotic Treatment. *Cells*, 14(12).

Yates AG, et al. (2025) Myelopoiesis is temporally dynamic and is regulated by lifestyle to modify multiple sclerosis. *Nature communications*, 16(1), 3683.

Kim MW, et al. (2025) Endogenous self-peptides guard immune privilege of the central nervous system. *Nature*, 637(8044), 176.

Budina E, et al. (2025) Activity-attenuated serum albumin-fused interleukin-33 suppresses experimental autoimmune encephalomyelitis. *Cell reports. Medicine*, 6(7), 102231.

Wang Y, et al. (2025) Cognate interaction-dependent pathogenicity of meningeal B cells drives neuroinflammation relapse. *Immunity*, 58(9), 2256.

Lin CY, et al. (2025) A 16-amino acid peptide delays the progression of motor neuron degeneration and pathogenic symptoms in ALS models. *Neurotherapeutics : the journal of the American Society for Experimental NeuroTherapeutics*, e00806.

Ren W, et al. (2025) A tandem repeat atlas for the genome of inbred mouse strains: A genetic variation resource. *iScience*, 28(11), 113703.

Wu D, et al. (2025) Optimization of a novel 2+2 BCMA x CD3 bispecific antibody for minimized cytokine release and potent efficacy. *Molecular cancer therapeutics*.

Ahmad I, et al. (2024) Exploring the Role of Platelets in Virus-Induced Inflammatory Demyelinating Disease and Myocarditis. *International journal of molecular sciences*, 25(6).

Pouzol L, et al. (2024) ACKR3 Antagonism Enhances the Repair of Demyelinated Lesions Through Both Immunomodulatory and Remyelinating Effects. *Neurochemical research*, 49(8), 2087.

Jiménez-Jiménez FJ, et al. (2024) Antioxidant Therapies in the Treatment of Multiple Sclerosis. *Biomolecules*, 14(10).

Ablooglu AJ, et al. (2024) Intrinsic endothelial hyperresponsiveness to inflammatory mediators drives acute episodes in models of Clarkson disease. *The Journal of clinical investigation*, 134(10).

Geladaris A, et al. (2024) BTK inhibition limits microglia-perpetuated CNS inflammation and promotes myelin repair. *Acta neuropathologica*, 147(1), 75.