

Resource Summary Report

Generated by [RRID](#) on Jul 29, 2026

[B6.Cg-Prkdc^{scid}/SzJ](#)

RRID:IMSR_JAX:001913

Type: Organism

Proper Citation

RRID:IMSR_JAX:001913

Organism Information

URL: <https://www.jax.org/strain/001913>

Proper Citation: RRID:IMSR_JAX:001913

Description: Mus musculus with name B6.Cg-Prkdc^{scid}/SzJ from IMSR.

Species: Mus musculus

Synonyms: B6.CB17-Prkdc/SzJ. B6 scid

Notes: gene symbol note: protein kinase; DNA activated; catalytic polypeptide; mutant strain|congenic strain: Prkdc

Affected Gene: protein kinase; DNA activated; catalytic polypeptide

Genomic Alteration: severe combined immunodeficiency

Catalog Number: JAX:001913

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Prkdc^{scid}/SzJ

Record Creation Time: 20250513T053628+0000

Record Last Update: 20260725T044336+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Prkdc^{scid}/SzJ.

No alerts have been found for B6.Cg-Prkdc^{scid}/SzJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 46 mentions in open access literature.

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

Palrasu M, et al. (2025) AhR-Dependent Induction of α -Defensin 1 in Colonic Epithelial Cells Regulates Cross-Talk between Gut Microbiota and Immune Response Leading to Attenuation of Colitis. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(25), e2416324.

Buglino JA, et al. (2025) Chalkophore-mediated respiratory oxidase flexibility controls *M. tuberculosis* virulence. *eLife*, 14.

Coughlin GM, et al. (2025) Spatial genomics of AAV vectors reveals mechanism of transcriptional crosstalk that enables targeted delivery of large genetic cargo. *Nature biotechnology*.

Zhang Z, et al. (2024) Honokiol hexafluoro confers reversal of neuropathological markers of HIV infection in a murine SCID model. *Neurotherapeutics : the journal of the American Society for Experimental NeuroTherapeutics*, 21(2), e00329.

Buglino JA, et al. (2024) Chalkophore mediated respiratory oxidase flexibility controls *M. tuberculosis* virulence. *bioRxiv : the preprint server for biology*.

Hess JA, et al. (2023) A rodent model for *Dirofilaria immitis*, canine heartworm: parasite growth, development, and drug sensitivity in NSG mice. *Scientific reports*, 13(1), 976.

Davis MA, et al. (2022) A C57BL/6 Mouse Model of SARS-CoV-2 Infection Recapitulates Age- and Sex-Based Differences in Human COVID-19 Disease and Recovery. *Vaccines*, 11(1).

Davis M, et al. (2022) A C57BL/6 Mouse model of SARS-CoV-2 infection recapitulates age- and sex-based differences in human COVID-19 disease and recovery. *Research square*.

Han P, et al. (2021) Low-dose decitabine modulates T-cell homeostasis and restores immune tolerance in immune thrombocytopenia. *Blood*, 138(8), 674.

Bandyopadhyay C, et al. (2021) E-cadherin activating antibodies limit barrier dysfunction and inflammation in mouse inflammatory bowel disease. *Tissue barriers*, 9(4), 1940741.

Herz J, et al. (2021) GABAergic neuronal IL-4R mediates T cell effect on memory. *Neuron*, 109(22), 3609.

Kashgari G, et al. (2021) GRHL3 activates FSCN1 to relax cell-cell adhesions between migrating keratinocytes during wound reepithelialization. *JCI insight*, 6(17).

Yu M, et al. (2020) Islet transplantation in the subcutaneous space achieves long-term euglycaemia in preclinical models of type 1 diabetes. *Nature metabolism*, 2(10), 1013.

Piersma SJ, et al. (2020) Virus infection is controlled by hematopoietic and stromal cell sensing of murine cytomegalovirus through STING. *eLife*, 9.

Ajina R, et al. (2019) SpCas9-expression by tumor cells can cause T cell-dependent tumor rejection in immunocompetent mice. *Oncoimmunology*, 8(5), e1577127.

Wang X, et al. (2019) T Lymphocytes Attenuate Dermal Scarring by Regulating Inflammation, Neovascularization, and Extracellular Matrix Remodeling. *Advances in wound care*, 8(11), 527.

Gavegnano C, et al. (2019) Baricitinib reverses HIV-associated neurocognitive disorders in a SCID mouse model and reservoir seeding in vitro. *Journal of neuroinflammation*, 16(1), 182.

Elmer BM, et al. (2019) Gene delivery of a modified antibody to A β reduces progression of murine Alzheimer's disease. *PloS one*, 14(12), e0226245.

Venanzi FM, et al. (2019) p62-DNA-encoding plasmid reverts tumor grade, changes tumor stroma, and enhances anticancer immunity. *Aging*, 11(22), 10711.

Caisova V, et al. (2019) The Significant Reduction or Complete Eradication of Subcutaneous and Metastatic Lesions in a Pheochromocytoma Mouse Model after Immunotherapy Using Mannan-BAM, TLR Ligands, and Anti-CD40. *Cancers*, 11(5).