

Resource Summary Report

Generated by [NIF](#) on Sep 20, 2026

CBySmn.Cg-Prkdc^{scid}/J

RRID:IMSR_JAX:001803

Type: Organism

Proper Citation

RRID:IMSR_JAX:001803

Organism Information

URL: <https://www.jax.org/strain/001803>

Proper Citation: RRID:IMSR_JAX:001803

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

Species: Mus musculus

Synonyms: BALB scid. BALB/c scid. CBySmn.CB17-Prkdc/J

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:001803

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: CBySmn.Cg-Prkdc^{scid}/J

Record Creation Time: 20250513T053627+0000

Record Last Update: 20260919T054816+0000

Ratings and Alerts

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

No alerts have been found for CBySmn.Cg-Prkdc^{scid}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 31 mentions in open access literature.

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

Taya M, et al. (2026) Ovarian cancer cell glucocorticoid receptor activation increases myeloid-derived suppressor cell tumor infiltration. *Endocrinology*, 167(4).

Xu M, et al. (2026) UFMylation Suppresses Hepatocellular Carcinoma Metastasis by Inhibiting β -Catenin-Driven Hybrid EMT and NK Cell Evasion. *Cancer research*, 86(13), 3213.

Caceres S, et al. (2025) Androgen receptor activation promotes tumor progression in canine and human triple negative breast cancer cell lines. *Frontiers in veterinary science*, 12, 1677830.

Wang L, et al. (2025) A multi-faceted discovery strategy identifies functional antibodies binding to cysteine-rich domain 1 of hDKK1 for cancer immunotherapy via Wnt non-canonical pathway. *Oncogene*, 44(31), 2677.

Bian Y, et al. (2025) Hsa_circ_0062522 affects the progression and tamoxifen resistance of estrogen receptor-positive breast cancer by targeting miR-3163. *Discover oncology*, 16(1), 2253.

Kalitin N, et al. (2024) N-Glycoside of Indolo[2,3-a]pyrrolo[3,4-c]carbazole LCS1269 Exerts Anti-Glioblastoma Effects by G2 Cell Cycle Arrest and CDK1 Activity Modulation: Molecular Docking Studies, Biological Investigations, and ADMET Prediction. *Pharmaceuticals (Basel, Switzerland)*, 17(12).

McCorkle JR, et al. (2024) Antineoplastic Drug Synergy of Artesunate with Navitoclax in Models of High-Grade Serous Ovarian Cancer. *Cancers*, 16(7).

Xiong L, et al. (2024) Development of the Curcumin Analog CA7 Liposome and Its Evaluation for Efficacy Against Cervical Cancer in vitro and in vivo. *International journal of nanomedicine*, 19, 13411.

Crespo B, et al. (2024) Bicalutamide Enhances Conventional Chemotherapy in In Vitro and In Vivo Assays Using Human and Canine Inflammatory Mammary Cancer Cell Lines. *International journal of molecular sciences*, 25(14).

Zhang Y, et al. (2024) HSPD1 Supports Osteosarcoma Progression through Stabilizing ATP5A1 and thus Activation of AKT/mTOR Signaling. *International journal of biological*

sciences, 20(13), 5162.

Torres-Ayuso P, et al. (2024) PIM1 targeted degradation prevents the emergence of chemoresistance in prostate cancer. *Cell chemical biology*, 31(2), 326.

Shaku MT, et al. (2024) A modified BCG with depletion of enzymes associated with peptidoglycan amidation induces enhanced protection against tuberculosis in mice. *eLife*, 13.

Alhaddad H, et al. (2024) Spatial transcriptomics analysis identifies a tumor-promoting function of the meningeal stroma in melanoma leptomeningeal disease. *Cell reports. Medicine*, 5(6), 101606.

Anzai A, et al. (2019) Self-reactive CD4⁺ IL-3⁺ T cells amplify autoimmune inflammation in myocarditis by inciting monocyte chemotaxis. *The Journal of experimental medicine*, 216(2), 369.

Lombana TN, et al. (2019) High-resolution glycosylation site-engineering method identifies MICA epitope critical for shedding inhibition activity of anti-MICA antibodies. *mAbs*, 11(1), 75.

Langer EM, et al. (2018) ZEB1-repressed microRNAs inhibit autocrine signaling that promotes vascular mimicry of breast cancer cells. *Oncogene*, 37(8), 1005.

Yao Y, et al. (2018) Induction of Autonomous Memory Alveolar Macrophages Requires T Cell Help and Is Critical to Trained Immunity. *Cell*, 175(6), 1634.

Deng X, et al. (2017) CD24 Expression and differential resistance to chemotherapy in triple-negative breast cancer. *Oncotarget*, 8(24), 38294.

Popovic B, et al. (2017) IL-33/ST2 pathway drives regulatory T cell dependent suppression of liver damage upon cytomegalovirus infection. *PLoS pathogens*, 13(4), e1006345.

Crowder CD, et al. (2016) Pathogen and Host Response Dynamics in a Mouse Model of *Borrelia hermsii* Relapsing Fever. *Veterinary sciences*, 3(3).