

Resource Summary Report

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NOD.Cg-Prkdc^{scid} H2-K1 H2-Ab1 H2-D1 Il2rg/SzJ

RRID:IMSR_JAX:025216

Type: Organism

Proper Citation

RRID:IMSR_JAX:025216

Organism Information

URL: <https://www.jax.org/strain/025216>

Proper Citation: RRID:IMSR_JAX:025216

Description: Mus musculus with name NOD.Cg-Prkdc^{scid} H2-K1 H2-Ab1 H2-D1 Il2rg/SzJ from IMSR.

Species: Mus musculus

Synonyms: NOD.Cg-Prkdc H2-K1 H2-Ab1 H2-D1 Il2rg/SzJ. NSG-(K D) (IA)

Notes: gene symbol note: histocompatibility 2; class II antigen A; beta 1|interleukin 2 receptor; gamma chain|histocompatibility 2; D region locus 1|histocompatibility 2; K1; K region|protein kinase; DNA activated; catalytic polypeptide; mutant strain|congenic strain: H2-Ab1|Il2rg|H2-D1|H2-K1|Prkdc

Affected Gene: histocompatibility 2; class II antigen A; beta 1|interleukin 2 receptor; gamma chain|histocompatibility 2; D region locus 1|histocompatibility 2; K1; K region|protein kinase; DNA activated; catalytic polypeptide

Genomic Alteration: endonuclease-mediated mutation 1; Michael Wiles|targeted mutation 1; Warren J Leonard|targeted mutation 1; Beatrice Perarnau|severe combined immunodeficiency

Catalog Number: JAX:025216

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: NOD.Cg-Prkdc^{scid} H2-K1 H2-Ab1 H2-D1 Il2rg/SzJ

Record Creation Time: 20250513T053753+0000

Record Last Update: 20260801T050509+0000

Ratings and Alerts

- Used for stem cell-derived cell line by the Human Islet Research Network community. Contact(s): Michael Brehm, James Keck - Human Islets Research Network <https://hirnetwork.org/>

No alerts have been found for NOD.Cg-Prkdc^{scid} H2-K1 H2-Ab1 H2-D1 Il2rg/SzJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Zhao Z, et al. (2025) Sick cell disease induces chromatin introversion and ferroptosis in CD8+ T cells to suppress anti-tumor immunity. *Immunity*, 58(6), 1484.

Webb L, et al. (2025) Membrane-bound IL-15 co-expression powers a potent and persistent CD70-targeted TRuC T-cell therapy. *Frontiers in immunology*, 16, 1609658.

Weichert-Leahey N, et al. (2025) KAT6A/B inhibition synergizes with retinoic acid and enhances the efficacy of GD2-targeted immunotherapy in neuroblastoma. *bioRxiv* : the preprint server for biology.

Zhou RW, et al. (2025) Safe immunosuppression-resistant pan-cancer immunotherapeutics by velcro-like density-dependent targeting of tumor-associated carbohydrate antigens. *Cell*.

Moore GL, et al. (2025) A B7-H3-Targeted CD28 Bispecific Antibody Enhances the Activity of Anti-PD-1 and CD3 T-cell Engager Immunotherapies. *Molecular cancer therapeutics*, 24(3), 331.

Fiore D, et al. (2025) A patient-derived T cell lymphoma biorepository uncovers pathogenetic mechanisms and host-related therapeutic vulnerabilities. *Cell reports. Medicine*, 6(4), 102029.

Desbois M, et al. (2025) IGM-7354, an Immunocytokine with IL15 Fused to an Anti-PD-L1 IgM, Induces NK and CD8+ T cell-Mediated Cytotoxicity of PD-L1-Positive Tumor Cells. *Cancer immunology research*, 13(8), 1172.

Feng Y, et al. (2025) Longitudinal Imaging Reveals Tumor Uptake and Prolonged Retention of Bispecific T Cell-Engaging Antibody in GBM via Passive and Active Mechanisms. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 31(16), 3537.

McKenna MK, et al. (2023) Novel banana lectin CAR-T cells to target pancreatic tumors and tumor-associated stroma. *Journal for immunotherapy of cancer*, 11(1).

Durbin AD, et al. (2022) EP300 Selectively Controls the Enhancer Landscape of MYCN-Amplified Neuroblastoma. *Cancer discovery*, 12(3), 730.

Parent AV, et al. (2021) Selective deletion of human leukocyte antigens protects stem cell-derived islets from immune rejection. *Cell reports*, 36(7), 109538.