

Resource Summary Report

Generated by T1D on Sep 16, 2026

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

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

Genomic Alteration: targeted mutation 1; Warren J Leonard|endonuclease-mediated mutation 1; Michael Wiles|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: 20260912T060536+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 15 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

Sohal IS, et al. (2026) Exosome-like biogenesis from the Golgi releases extracellular vesicles lacking conventional tetraspanins that mediate immune evasion in cancer. bioRxiv : the preprint server for biology.

Li YR, et al. (2026) Rejuvenated Hematopoietic Stem and Progenitor Cell-Engineered CAR-Armored Natural Killer T Cells for Malignant Pleural Mesothelioma. Research (Washington, D.C.), 9, 1310.

Marco S, et al. (2026) Radiotherapy synergizes with an inducible AAV-based immunotherapy platform to program local and systemic antitumor immunity. Cancer cell, 44(5), 995.

Hu M, et al. (2026) Activated T cell extracellular vesicle DNA transfer enhances antigen presentation and anti-tumor immunity. Cancer cell, 44(5), 965.

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

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

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.

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.

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_H1 cell lymphoma biorepository uncovers pathogenetic mechanisms and host-related therapeutic vulnerabilities. *Cell reports. Medicine*, 6(4), 102029.

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.

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.

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.