

Resource Summary Report

Generated by [kravitz2](#) on Aug 26, 2026

NOD.Cg-Prkdc^{scid} Il2rg Tg(HLA-A/H2-D/B2M)1Dvs/SzJ

RRID:IMSR_JAX:014570

Type: Organism

Proper Citation

RRID:IMSR_JAX:014570

Organism Information

URL: <https://www.jax.org/strain/014570>

Proper Citation: RRID:IMSR_JAX:014570

Description: Mus musculus with name NOD.Cg-Prkdc^{scid} Il2rg Tg(HLA-A/H2-D/B2M)1Dvs/SzJ from IMSR.

Species: Mus musculus

Synonyms: NSG-HLA-A2/HHD

Notes: gene symbol note: transgene insertion 1; David V Serreze|major histocompatibility complex; class I; A|interleukin 2 receptor; gamma chain|beta-2-microglobulin|major histocompatibility complex; class I; subtype A2.1|protein kinase; DNA activated; catalytic polypeptide; mutant strain|congenic strain: Tg(HLA-A/H2-D/B2M)1Dvs|HLA-A|Il2rg|B2M|HLA-A2.1|Prkdc

Affected Gene: transgene insertion 1; David V Serreze|major histocompatibility complex; class I; A|interleukin 2 receptor; gamma chain|beta-2-microglobulin|major histocompatibility complex; class I; subtype A2.1|protein kinase; DNA activated; catalytic polypeptide

Genomic Alteration: transgene insertion 1; David V Serreze|targeted mutation 1; Warren J Leonard|severe combined immunodeficiency

Catalog Number: JAX:014570

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: NOD.Cg-Prkdc^{scid} Il2rg Tg(HLA-A/H2-D/B2M)1Dvs/SzJ

Record Creation Time: 20250513T053728+0000

Record Last Update: 20260815T050639+0000

Ratings and Alerts

No rating or validation information has been found for NOD.Cg-Prkdc^{scid} Il2rg Tg(HLA-A/H2-D/B2M)1Dvs/SzJ.

No alerts have been found for NOD.Cg-Prkdc^{scid} Il2rg Tg(HLA-A/H2-D/B2M)1Dvs/SzJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Steinkamp MP, et al. (2025) Clinical translation of TLR agonist-modified silicified cancer cell therapy supported by humanized mouse models. Molecular therapy. Oncology, 33(4), 201074.

Balan S, et al. (2025) Harnessing Notch Signaling to Enhance the Generation and Functionality of Human Conventional Type 1 Dendritic Cells for Cancer Immunotherapy Applications. Cancer immunology research, 13(9), 1328.

Phelps C, et al. (2023) Production of Humanized Mice through Stem Cell Transfer. Current protocols, 3(6), e800.

Ritacco C, et al. (2023) Post-transplant cyclophosphamide prevents xenogeneic graft-versus-host disease while depleting proliferating regulatory T??cells. iScience, 26(3), 106085.