

Resource Summary Report

Generated by [NIF](#) on Aug 10, 2026

NSG-HLA-A2/HHD (NOD.Cg-Prkdcscid Il2rgtm1Wjl Tg(HLA-A/H2-D/B2M)1Dvs/SzJ)

RRID:BCBC_4611

Type: Organism

Proper Citation

RRID:BCBC_4611

Organism Information

URL:

Proper Citation: RRID:BCBC_4611

Description: NSG-HLA-A2/HHD mutant mice are immunodeficient and express human HLA class 1 heavy and light chains. This strain may be useful as a human hematopoietic engraftment host that supports the maturation of human T cells with transplantation <http://jaxmice.jax.org/strain/014570.html>.

Species: Mus musculus

Notes: NSG-HLA-A2/HHD mutant mice are immunodeficient and express human HLA class 1 heavy and light chains. This strain may be useful as a human hematopoietic engraftment host that supports the maturation of human T cells with transplantation <http://jaxmice.jax.org/strain/014570.html>.

Phenotype: Diabetes mellitus

Catalog Number: 4611

Database: BCBC, Beta Cell Biology Consortium

Database Abbreviation: BCBC

Organism Name: NSG-HLA-A2/HHD (NOD.Cg-Prkdcscid Il2rgtm1Wjl Tg(HLA-A/H2-D/B2M)1Dvs/SzJ)

Record Creation Time: 20230226T042341+0000

Record Last Update: 20260808T185354+0000

Ratings and Alerts

No rating or validation information has been found for NSG-HLA-A2/HHD (NOD.Cg-Prkdcscid Il2rgtm1Wjl Tg(HLA-A/H2-D/B2M)1Dvs/SzJ).

No alerts have been found for NSG-HLA-A2/HHD (NOD.Cg-Prkdcscid Il2rgtm1Wjl Tg(HLA-A/H2-D/B2M)1Dvs/SzJ).

Data and Source Information

Source: [Integrated Animals](#)

Source Database: BCBC, Beta Cell Biology Consortium

Usage and Citation Metrics

We found 1459 mentions in open access literature.

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

Huang JX, et al. (2026) Indocyanine Green-Labeled Antibodies Cotargeting CDCP1 and Mesothelin for Fluorescence-Guided Imaging of Pancreatic Cancer. *Molecular pharmaceutics*, 23(2), 1059.

Hoang TS, et al. (2026) Genome-wide CRISPR Screening Reveals a PKA-Driven Resistance Mechanism to Metformin for Oral Cancer Prevention That Can Be Exploited by Combination with NSAIDs. *Cancer prevention research (Philadelphia, Pa.)*, 19(2), 79.

Nguyen TT, et al. (2026) NN-01-195, a Novel Conjugate of HSP90 and AURKA Inhibitors, Effectively Targets Solid Tumors. *Molecular cancer therapeutics*, 25(8), 1231.

Saini P, et al. (2026) Targeting Interactions Between Siglec-10 and $\alpha 3 \beta 1$ Integrin Enhances Macrophage-Mediated Phagocytosis of Pancreatic Cancer. *Cancer research*, 86(1), 99.

Balamurugan K, et al. (2026) 3D "Emboli" Culture Models Epithelial Breast Cancer Cell Oxidative Mitochondrial Metabolism with Relevance for Lung Metastasis. *Cancer research communications*, 6(3), 600.

Rub J, et al. (2026) Deep-Learning Tool ScVital Enables Species-Agnostic Integration of Cancer Cell States. *Cancer research*, 86(4), 858.

Suresh V, et al. (2026) Modelling EWS::FLI1 protein fluctuations reveal determinants of tumor plasticity in Ewing sarcoma. *EMBO molecular medicine*, 18(2), 646.

Bessler N, et al. (2026) De novo H3.3K27M-altered diffuse midline glioma in human brainstem organoids to dissect GD2 CAR T cell function. *Nature cancer*, 7(2), 316.

Lu J, et al. (2026) Optimizing Post-Transplantation Detection of Subcutaneously Transplanted Islets Using Dithizone Staining. *bioRxiv : the preprint server for biology*.

Archibald SJ, et al. (2026) Comparison of changes in blood cells and hemostatic biomarkers in mouse xenograft models of acute myeloid leukemia and acute promyelocytic leukemia. *Research and practice in thrombosis and haemostasis*, 10(1), 103319.

Furutani Y, et al. (2026) Ligand-dependent Wnt signaling promotes gastric cancer metastasis through hyaluronan expression in microenvironment. *Nature communications*, 17(1).

Wei X, et al. (2026) Abrogation of Oncogenic RAS Signaling by a RAS(ON) Inhibitor Doublet Primes Immune-Refractory KRASG12C-Mutant NSCLC for Immune Checkpoint Blockade. *Cancer discovery*, 16(6), 1152.

Cao Z, et al. (2026) CRISPR-based functional genomics for dissecting therapeutic dependency in primary acute myeloid leukemia samples. *Molecular cell*, 86(5), 968.

Nakhale M, et al. (2026) Development of *Dirofilaria immitis* adult worms in NSG mice, detection of parasite-derived microRNA and comparative analysis of laboratory isolates. *Scientific reports*, 16(1), 6764.

Jeong D, et al. (2026) Multidimensional profiling of heterogeneity in supratentorial ependymomas. *Nature*, 652(8111), 1016.

Bertlin JAC, et al. (2026) VHL synthetic lethality screens uncover CBF- γ as a negative regulator of STING. *Nature communications*, 17(1).

Su Y, et al. (2026) Sequential transcriptional waves and NF- κ B-driven chromatin remodeling direct drug-induced dedifferentiation in cancer. *Nature communications*, 17(1).

Gonzales F, et al. (2026) Surface CD81 supports leukemia stem cell function and reveals a therapeutic vulnerability in acute myeloid leukemia. *Signal transduction and targeted therapy*, 11(1).

Rajagopal D, et al. (2026) Evaluation of a reference antibody panel for prediction of cytokine release in humanised mouse models in vivo. *Frontiers in immunology*, 17, 1736130.

Varesi A, et al. (2026) ATP2B1 expression identifies human hematopoietic stem cells with superior repopulation and self-renewal. *Proceedings of the National Academy of Sciences of the United States of America*, 123(19), e2604380123.