

My Account

Login
Create Account

Resources

View All (813)
Adenoviruses (137)
Antibodies (175)
Bioimages (67)
Genomics Studies (145)
mESC Lines (68)
Mouse Strains (120)
Miscellaneous (46)
Protocols (55)
Research Data (4)
Resource Tags (389)
Visualization (9)

Research & Cores

Core Facilities (5)
Research Highlights (5)
Research Networks
Research Objectives

Information

About the BCBC
BCBC Events
Branding & Logos
Career Opportunities
Health
NIH hESC Registry
Policies & Guidelines
Member Publications
Research Programs
Research Investigators
Member Directory
Tutorials

NSG-HLA-A2/HHD - Mouse Strain RES4611**Mouse Information**

Common Name:	NSG-HLA-A2/HHD
MGI Official Name:	NOD.Cg-Prkdc ^{scid} Il2rg ^{tm1Wjl} Tg(HLA-A/H2-D/B2M)1Dvs/SzJ
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 .
Categories:	None specified.

Genetic Alterations

No mutations indicated.

Strain Information

Strain Type:	Congenetic Strain
Chimera/Founder Genetic Background:	129
Current Genetic Background:	129 (date recorded: 12/02/2013)
Strain Description:	To generate this spontaneous/targeted mutation/transgenic strain NOD/ShiLtDvs-Tg(HLA-A/H2-D/B2M)1Dvs/J (Stock No. http://jaxmice.jax.org/strain/006604) mice were crossed to NOD.Cg-Prkdc ^{scid} Il2rg ^{tm1Wjl} /SzJ (Stock No. http://jaxmice.jax.org/strain/005557) mice. Mice were subsequently bred to homozygosity for all alleles, with male mice hemizygous for the X-linked Il2rg ^{tm1Wjl} allele. The Donating Investigator maintained the strain as homozygotes for all the alleles: Prkdc ^{scid} Il2rg ^{tm1Wjl} and Tg(HLA-A2/H2-D/B2M)1Dvs (males will be hemizygous for the X-linked Il2rg ^{tm1Wjl} targeted mutation).

Associated Images

No associated images have been supplied

Repositories

The Jackson Laboratory	
<i>No URL supplied for repository</i>	Stock #: 014570 Availability Notes: https://secureweb.jax.org/jaxmice/order/order-form.php?id=014570


Contact Information

Preferred Contact	
Name	Dale Greiner
Institution	University of Massachusetts Medical School
Phone	508-856-1911
Email	dale.greiner@umassmed.edu


Associated Publications

No publications associated

Comments**Access Status**

 This resource is publicly viewable.

Request this Resource

 Request from a repository


Primary contributor: [Greiner Lab](#)

Co-contributed by:

- [Shultz Lab](#)

Resource Tags

mouse, mouse strain, NOD.Cg-Prkdc^{scid} Il2rg^{tm1Wjl} Tg(HLA-A/H2-D/B2M)1Dvs/SzJ, NSG-HLA-A2/HHD

 Login to edit tags

 Read more about tags

Resource History & Actions

Approved on Jan 09, 2014

Last modified on Dec 02, 2013

 Login to edit or request an edit

Related resources**BCBC**


No matching resources

Other Consortia

No matching resources

Data courtesy of [dkCOIN](#). Only public resources are displayed.

There are no comments for this entry.

 Login to add
comments

[Home](#) · [Your Account](#) · [News & Events](#) · [Resources](#) · [Policies & Guidelines](#) · [About Us](#) · [FAQ](#) · [Site Map](#)

© 2002-2015 Beta Cell Biology Consortium - All Rights Reserved. [Terms of usage and disclaimer](#).

