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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

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Resource History & Actions

Approved on Jan 09, 2014

Last modified on Dec 02, 2013

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

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