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

<b>Common Name:</b>	NSG-HLA-A2/HHD
<b>MGI Official Name:</b>	NOD.Cg-Prkdc <sup>scid</sup> Il2rg <sup>tm1Wjl</sup> Tg(HLA-A/H2-D/B2M)1Dvs/SzJ
<b>Description:</b>	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 <a href="http://jaxmice.jax.org/strain/014570.html">http://jaxmice.jax.org/strain/014570.html</a> .
<b>Categories:</b>	None specified.

**Genetic Alterations**

*No mutations indicated.*

**Strain Information**

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

**Associated Images**

*No associated images have been supplied*

**Repositories**

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


**Contact Information**

<b>Preferred Contact</b>	
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**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<sup>scid</sup> Il2rg<sup>tm1Wjl</sup> 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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