

**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

**NOD-scid IL2rgamma AB Tg(HLA-DR4) - Mouse Strain RES4612****Mouse Information**

<b>Common Name:</b>	NOD-scid IL2rgamma AB Tg(HLA-DR4)
<b>MGI Official Name:</b>	NOD.Cg-Prkdc <sup>scid</sup> Il2rg <sup>tm1Wjl</sup> H2-Ab1 <sup>tm1Gru</sup> Tg(HLA-DRB1)31Dmz/SzJ
<b>Description:</b>	These NSG-Ab <sup>0</sup> DR4 mice lack expression of the murine Prkdc gene, the X-linked Il2rg gene, and MHC class II, but express the human leukocyte antigen DR4 gene. These mice may be useful for targeting human CD4 <sup>+</sup> T cells in transplantation studies in the absence of xeno-GVHD. More details are available at <a href="http://jaxmice.jax.org/strain/017637.html">http://jaxmice.jax.org/strain/017637.html</a> .
<b>Categories:</b>	None specified.

**Genetic Alterations**

*No mutations indicated.*

**Strain Information**

<b>Strain Type:</b>	Congenic Strain
<b>Chimera/Founder Genetic Background:</b>	129
<b>Current Genetic Background:</b>	129 (date recorded: 12/02/2013)
<b>Strain Description:</b>	NOD.Cg-Prkdc <sup>scid</sup> Il2rg <sup>tm1Wjl</sup> /Sz mice (NSG; see Stock No. <a href="http://jaxmice.jax.org/strain/005557">http://jaxmice.jax.org/strain/005557</a> ) were bred to NOD <sup>scid</sup> mice bearing the H2-Ab1 <sup>tm1Gru</sup> (Ab <sup>0</sup> ) allele developed in Dr. Mike Grusby's lab. Male NSG-A <sup>0</sup> mice, homozygous for all three targeted mutations, were then crossed to female NOD mice hemizygous for the HLA-DR4 (DRB1*0401) transgene (Tg(HLA-DRB1)31Dmz). These NSG-Ab <sup>0</sup> DR4 mice are maintained as homozygous for all three targeting events, and hemizygous for the transgene.

**Associated Images**

*No associated images have been supplied*

**Repositories**

<b>The Jackson Laboratory</b>	
<i>No URL supplied for repository</i>	<b>Stock #:</b> 017637 <b>Availability Notes:</b> See <a href="http://jaxmice.jax.org/strain/017637.html">http://jaxmice.jax.org/strain/017637.html</a>


**Contact Information**

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**Associated Publications**

*No publications associated*

**Comments****Access Status**

 This resource is publicly viewable.

**Request this Resource**

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Primary contributor: [Greiner Lab](#)

Co-contributed by:

- [Shultz Lab](#)

**Resource Tags**


mouse, mouse strain, NOD.Cg-Prkdc<sup>scid</sup> Il2rg<sup>tm1Wjl</sup> H2-Ab1<sup>tm1Gru</sup> Tg(HLA-DRB1)31Dmz/SzJ, NOD-scid IL2rgamma AB Tg(HLA-DR4)

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**Resource History & Actions**

Approved on Jan 09, 2014  
Last modified on Dec 02, 2013

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