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

| | |
|---------------------------|---|
| Common Name: | NOD-scid IL2rgamma AB Tg(HLA-DR4) |
| MGI Official Name: | NOD.Cg-Prkdc ^{scid} Il2rg ^{tm1Wjl} H2-Ab1 ^{tm1Gru} Tg(HLA-DRB1)31Dmz/SzJ |
| Description: | These NSG-Ab ⁰ 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 ⁺ T cells in transplantation studies in the absence of xeno-GVHD. More details are available at http://jaxmice.jax.org/strain/017637.html . |
| Categories: | None specified. |

Genetic Alterations

No mutations indicated.

Strain Information

| | |
|--|--|
| Strain Type: | Congenic Strain |
| Chimera/Founder Genetic Background: | 129 |
| Current Genetic Background: | 129 (date recorded: 12/02/2013) |
| Strain Description: | NOD.Cg-Prkdc ^{scid} Il2rg ^{tm1Wjl} /Sz mice (NSG; see Stock No. http://jaxmice.jax.org/strain/005557) were bred to NOD ^{scid} mice bearing the H2-Ab1 ^{tm1Gru} (Ab ⁰) allele developed in Dr. Mike Grusby's lab. Male NSG-A ⁰ 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 ⁰ 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

| | |
|---------------------------------------|--|
| The Jackson Laboratory | |
| <i>No URL supplied for repository</i> | Stock #: 017637 Availability Notes: See http://jaxmice.jax.org/strain/017637.html |


Contact Information

| | |
|--------------------------|--|
| Preferred Contact | |
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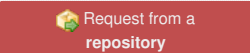
Associated Publications

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^{scid} Il2rg^{tm1Wjl} H2-Ab1^{tm1Gru} 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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