NOD.Cg-Tg(HLA-DRA*0101, HLA-DRB1*0101)1Dmz

Stock No: 012479

Congenic, Spontaneous Mutation, Targeted Mutation, Transgenic

CRYO RECOVERY

PLACE ORDER

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.
These mutant mice combine the features of the NOD/ShiLtJ background, the severe combined immune deficiency mutation (scid), IL2 receptor gamma chain deficiency and a human/mouse chimeric MHC Class II transgene (Tg(HLA-DRB1*01)1Dmz). This mutant mouse strain may be useful for xenotransplantation and vaccine development.

Donating Investigator

Gloria Koo, Hospital for Special Surgery
Richard O'Reilly, Memorial Sloan Kettering Cancer Center
Mice that are homozygous for the targeted transgene are viable, fertile, normal in size and do not display any gross physical or behavioral abnormalities. These mutant mice combine the features of the NOD/ShiLtJ background, the severe combined immune deficiency mutation (scid), IL2 receptor gamma chain deficiency and a human/mouse chimeric MHC Class II transgene (Tg(HLA-DRB1*01)1Dmz). This mutant mouse strain is expected to be useful for xenotransplantation and vaccine development.
Genotyping Protocols

Standard PCR: Tg(HLA-DRA)  
Standard PCR: Tg(HLA-DRB1*0101)1Dmz  
Probe: Il2rg-PROBE  
End Point Analysis: Prkdc End Point  
QPCR: Tg(HLA-DRA*0101)-qPCR  
QPCR: Tg(HLA-DRA*0101)-qPCR  
QPCR: Tg(HLA-DRB1)Dmz-qPCR  
QPCR: Tg(HLA-DRB1)Dmz-qPCR  

Breeding Considerations

While maintaining a live colony, these mice are bred as homozygotes for all three alleles. SPF (specific pathogen-free) conditions are recommended.

Additional Breeding and Husbandry Support

Citation

When using the NOD.Cg-Tg(HLA-DRA*0101,HLA-DRB1*0101)1Dmz Prkdc\textsuperscript{scid} Il2rg\textsuperscript{tm1Wjl}/GckRolyJ mouse strain in a publication, please cite the originating article(s) and include JAX stock #012479 in your Materials and Methods section.

Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, G200
Pricing & Availability

Cryo Recovery

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

Domestic

Pricing effective for USA, Canada and Mexico shipping destinations

Cryorecovery - Domestic Not-For-Profit & Academic Pricing

<table>
<thead>
<tr>
<th>SERVICE/PRODUCT</th>
<th>DESCRIPTION</th>
<th>PRICE</th>
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<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Hemizygous for Tg(HLA-DRA<em>0101,HLA-DRB1</em>0101)1Dmz and Homozygous for Prkdc&lt;scid&gt; Ii2rg&lt;tm1Wjl&gt;</td>
<td>$2,854.50</td>
</tr>
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Related Products and Services

| Frozen Mouse Embryo | NOD.Cg-Prkdc<scid> Ii2rg<tm1Wjl> Tg(HLA-DRA*0101 HLA-DRB1*01  | $2595.00 |

Payment Terms and Conditions

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Terms Of Use

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Phone: 207-288-6470
Email: TechTran@jax.org

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Related Strains

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- By Gene
- By Collection