NOD.L-(D11Mit314-D11Mit33)/McdfJ

Stock No: 008057 | NOD.Lc11f and DR3f

Congenic

CRYO RECOVERY

REQUEST CRYORECOVERY

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

Also Known As: NOD.Lc11f, DR3f, NOD.Lc11f and DR3f

Stock No's 008053, 008054, 008055, 008056, 008057, 008058, 008059 and 008060, are the result of crossing segments of C57L/J derived Chromosome 11 into the NOD/Bdc background. These strains experience significantly reduced diabetes and are useful for identifying candidate genes within the Idd4 subloci.

Donating Investigator

Marcia McDuffie, Univ. of Virginia Dept. of Medicine

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GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td>001976 NOD/ShiLtJ</td>
<td></td>
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</tbody>
</table>

Marker(s)

<table>
<thead>
<tr>
<th>Marker Symbol</th>
<th>Marker Name</th>
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</thead>
<tbody>
<tr>
<td>Idd4</td>
<td>insulin dependent diabetes susceptibility 4</td>
</tr>
<tr>
<td>D11Mit314</td>
<td>DNA Segment, Chr 11, Massachusetts Institute of Technology 314</td>
</tr>
<tr>
<td>D11Mit33</td>
<td>DNA segment, Chr 11, Massachusetts Institute of Technology 33</td>
</tr>
</tbody>
</table>

VIEW GENETICS

RESEARCH APPLICATIONS

Research Tools
Immunology, Inflammation and Autoimmunity Research
Diabetes and Obesity Research

VIEW ALL RESEARCH APPLICATIONS
Details

Detailed Description

This NOD congenic strain, commonly referred to as NOD.Lc11f or DR3f, carries a small C57L/J derived congenic interval on Chromosome 11, D11Mit314 (51Mb) through D11Mit33 (81Mb) that encodes C57L/J derived Csf2 and part of ldd4 down to the overlap of ldd4.1 and ldd4.2. Stat5a, Stat5b, Stat3, candidate genes in the ldd4.4 region along with ldd4.1, 4.2 and ldd4.5 regions are of NOD origin. Csf2 production by macrophages is significantly lower than in macrophages of NOD mice. Stat5 phosphorylation levels from macrophages of NOD.Lc11f mice were significantly higher than the levels seen in C57L/J mice (Litherland et al. 2005). Diabetes incidence in females is reported to be about 44% compared to 70% in NOD control mice. (Davoodi-Semiromi et al. 2007).

Development

Control Suggestions

Selected References

Genetics

Idd4

D11Mit314

D11Mit33

Disease/Phenotype

Disease Terms

Research Areas By Genotype

Mammalian Phenotype Terms by Genotype

References
Genotyping Protocols

Genotyping resources and troubleshooting

Appearance
albino
Related Genotype: A/A Tyr<sup>c</sup>/Tyr<sup>c</sup>

Citation
When using the NOD-<sup>c</sup>11f and DR3f mouse strain in a publication, please cite the originating article(s) and include JAX stock #008057 in your Materials and Methods section.

Animal Health Reports
Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, G200

Pricing & Availability

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

<table>
<thead>
<tr>
<th>Domestic</th>
<th>International</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pricing effective for USA, Canada and Mexico shipping destinations</td>
<td></td>
</tr>
</tbody>
</table>

### Cryorecovery - Domestic Pricing

<table>
<thead>
<tr>
<th>SERVICE</th>
<th>GENOTYPE</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Homozygous</td>
<td>$2,595.00</td>
</tr>
</tbody>
</table>

We will fulfill your order by providing at least two carriers for each strain ordered. The total number, sex, and genotypes provided will vary, although typically 8 or more animals are provided. **Please check genotypes which will be recovered.** While the genotypes of all animals produced will be communicated to you prior to scheduling shipment, the genotypes of animals provided may not reflect the mating scheme and genotypes described in the strain description. **Animals are typically ready to ship in 11-14 weeks.** If a second recovery is required to produce the minimum number of animals, then delivery time would increase to approximately 25 weeks. If we fail to produce animals of the correct genotype, you will not be charged. We cannot guarantee the reproductive success of mice shipped to your facility. If the mice are lost after the first three days (post-arrival) or do not produce progeny at your facility, a new order and fee will be necessary.

Cryorecovery to establish a **Dedicated Supply** for greater quantities of mice. Mice recovered can be used to establish a dedicated colony to contractually supply you mice according to your requirements. Price by quotation.

### Related Products and Services

| Frozen Mouse Embryo | $2,595.00 per straw or vial |
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