NOD.129P2(C)-Tcra^tm^{Mj}s/DoiJ

Stock No: 004444 | NOD.Tcra

- Congenic Targeted Mutation

**PLACE ORDER**

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.
Also Known As: NOD.Tcra

NOD mice homozygous for the Tcra<sup>Im1Mjo</sup> targeted mutation lack alpha beta T cells, and therefore, are completely protected from diabetes development. Because of the complete elimination of alpha beta T cells, these mice are useful in adoptive transfer experiments (as in Hoglund et al. 1999).

Donating Investigator

Christophe Benoist, Joslin Diabetes Center

**GENETIC OVERVIEW**

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
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<tbody>
<tr>
<td>Tcra&lt;sup&gt;Im1Mjo&lt;/sup&gt;</td>
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<table>
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<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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<tr>
<td>Targeted (Null/Knockout)</td>
<td>Tcra</td>
<td>T cell receptor alpha chain</td>
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**RESEARCH APPLICATIONS**

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

**BASE PRICE**

Starting at:

$2,595.00 Domestic price Cryo Recovery

VIEW PRICE LIST

**Details**

**Detailed Description**

NOD mice homozygous for the Tcra<sup>Im1Mjo</sup> targeted mutation lack alpha beta T cells, and therefore, are completely protected from diabetes development. Because of the complete elimination of alpha beta T cells, these mice are useful in adoptive transfer experiments (as in Hoglund et al. 1999).
Genotyping Protocols
Genotyping resources and troubleshooting

Appearance
albino, pink eyed
Related Genotype: A/ATyr^c/Tyr^c

Citation
When using the NOD Tcra mouse strain in a publication, please cite the originating article(s) and include JAX stock #004444 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.
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.

Payment Terms and Conditions
Terms are granted by individual review and stated on the customer invoice(s) and account statement. These transactions are payable in U.S. currency within the granted terms. Payment for services, products, shipping containers, and shipping costs that are rendered are expected within the payment terms indicated on the invoice or stated by contract. Invoices and account balances in arrears of stated terms may result in The Jackson Laboratory pursuing collection activities including but not limited to outside agencies and court filings.

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The Jackson Laboratory has rigorous genetic quality control and mutant gene genotyping programs to ensure the genetic background of JAX® Mice strains as well as the genotypes of strains with identified molecular mutations. JAX® Mice strains are only made available to researchers after meeting our standards. However, the phenotype of each strain may not be fully characterized and/or captured in the strain data sheets. Therefore, we cannot guarantee a strain’s phenotype will meet all expectations. To ensure that JAX® Mice will meet the needs of individual research projects or when requesting a strain that is new to your research, we suggest ordering and performing tests on a small number of mice to determine suitability for your particular project.

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Related Strains

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</table>

All Related Strains
Ellsworth Facility Officially Open and Operational

Shipments have begun at our new facility, allowing increased access to JAX mouse models.

Leading the search for

Tomorrow's Cures

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