B6.129S2-Ighm^tm1Cgn/J

Stock No: 002288 | muMt -

Congenic, Targeted Mutation

AVAILABLE NOW

PLACE ORDER

Ask Customer Service for expected lead time.

Also Known As: muMt-

Homozygous mutant mice lack mature B cells. There is no expression of membrane-bound IgM, although some B cells may be produced using a C gene other than mu. It may be useful as a model for B cell immunodeficiency found in humans.

Donating Investigator

Klaus Rajewsky, Max Delbruck Centre for Molecular Medicine

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GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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</thead>
<tbody>
<tr>
<td>Contact Technical Support</td>
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</tbody>
</table>
(2018-07-27 00:00:00)
<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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<tbody>
<tr>
<td>Targeted (Null/Knockout)</td>
<td>Ighm</td>
<td>Immunoglobulin heavy constant mu</td>
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</tbody>
</table>

**RESEARCH APPLICATIONS**

Immunology, Inflammation and Autoimmunity Research

Research Tools

**BASE PRICE**

Starting at:

$120.56 Domestic price for female 3-week

**Details**

**Detailed Description**

Mice homozygous for the Ighm<sup>tm1Cgn</sup> targeted mutation are viable and fertile. Homozygous mutant mice lack mature B cells. There is no expression of membrane-bound IgM, although some B cells may be produced using a C gene other than mu. It may be useful as a model for B cell immunodeficiency found in humans. Also known as muMT.

**Development**

**Control Suggestions**

**Selected References**

**Genetics**

**Ighm<sup>tm1Cgn</sup>**

**Disease/Phenotype**

**Disease Terms**
Genotyping Protocols
Standard PCR: Ighm^{tm1Cgn}
Genotyping resources and troubleshooting

Dietary Information
LabDiet® 5K52 formulation (6% fat)

Breeding Considerations
This strain is a good breeder.
Additional Breeding and Husbandry Support

Mating System
Homozygote x Homozygote

Appearance
black
Related Genotype: a/a

Citation
When using the Jax Mouse strain in a publication, please cite the originating article(s) and include JAX stock #002288 in your Materials and Methods section.
Facility Barrier Level Descriptions

Pricing & Availability
Ask Customer Service for expected lead time.

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

<table>
<thead>
<tr>
<th>AGE</th>
<th>SEX</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<tr>
<td>3 weeks</td>
<td>Female</td>
<td>Homozygous for Ighm^{tm1Cgn}</td>
<td>$120.56</td>
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<tr>
<td>3 weeks</td>
<td>Male</td>
<td>Homozygous for Ighm^{tm1Cgn}</td>
<td>$120.56</td>
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<tr>
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<td>SEX</td>
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<tr>
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<tr>
<td>6 weeks</td>
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<tr>
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<td>Homozygous for Ig h&lt;sup&gt;tm1Cge&lt;/sup&gt;</td>
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Terms of Use
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Email: TechTran@jax.org

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