B6.129S2-Ighm^tm1Cgn/J

Stock No: 002288 | muMt -

Congenic, Targeted Mutation

AVAILABLE NOW

PLACE ORDER

Sized to accommodate orders of up to 50 or more. Ask Customer Service for details.

Overview
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

**GENETIC OVERVIEW**

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tbody>
<tr>
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<td>Contact Technical Support</td>
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<td>(2018-07-27 00:00:00)</td>
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**Ighm<sup>tm1Cgn</sup>**

<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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</table>

**RESEARCH APPLICATIONS**
Immunology, Inflammation and Autoimmunity Research
Research Tools
Details

Detailed Description
Mice homozygous for the \( \text{Ighm}^{\text{Im1Cgn}} \) 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

\( \text{Ighm}^{\text{Im1Cgn}} \)

Disease/Phenotype

Disease Terms

Research Areas By Genotype

Mammalian Phenotype Terms by Genotype

References

Technical Support
This strain is a good breeder.

**Genotyping Protocols**
Standard PCR: \( Ighm^{tm1Cgn} \)
Genotyping resources and troubleshooting

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

**Breeding Considerations**

**Mating System**
Homozygote x Homozygote

**Appearance**
black
Related Genotype: a/a

**Citation**
When using this mouse strain in a publication, please cite the originating article(s) and include JAX stock #002288 in your Materials and Methods section.

**Animal Health Reports**
Facility Barrier Level Descriptions

### Pricing & Availability

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### Pricing Information

**Domestic**

<table>
<thead>
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<th>AGE</th>
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