B6.129S2-Ighm<sup>1Cgn</sup>/J

Stock No: 002288 | muMt⁻

Congenic, Targeted Mutation

Available Now

PLACE ORDER

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

Also Known As: B6.129S2-Igh-6<sup>1Cgn</sup>/J, 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

READ MORE »

GENETIC OVERVIEW

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

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Targeted (Null/Knockout)</td>
<td>lghm</td>
<td>immunoglobulin heavy constant mu</td>
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</tbody>
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**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 lghm<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**

**lghm**<sup>tm1Cgn</sup>

**Disease/Phenotype**

**Disease Terms**
Research Areas By Genotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

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

Available Now

| Pricing effective for USA, Canada and Mexico shipping destinations |
| --- | --- | --- | --- |
| AGE | SEX | GENOTYPE | PRICE |
| 3 weeks | Female | Homozygous for Ighm^{tm1Cgn} | $120.56 |
| 3 weeks | Male | Homozygous for Ighm^{tm1Cgn} | $120.56 |
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Related Strains

- All
- By Allele
- By Gene
- By Collection

All Related Strains