B6.129S2-Ighm tm1Cgn/J

Stock No: 002288 | muMt -

Congenic, Targeted Mutation

AVAILABLE NOW

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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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<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<td>(2018-07-27 00:00:00)</td>
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Immunology, Inflammation and Autoimmunity Research
Research Tools

Details

Detailed Description
Mice homozygous for the \( \text{Ighm}^{\text{tm1Cgn}} \) 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

\( \text{Ighm}^{\text{tm1Cgn}} \)

Disease/Phenotype

Disease Terms
Genotyping Protocols
Standard PCR: \( \text{Ig}^{\text{m1Cgn}} \)
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 m1Cgn 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.

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<thead>
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<th>AGE</th>
<th>SEX</th>
<th>GENOTYPE</th>
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<td>3 weeks</td>
<td>Female</td>
<td>Homozygous for ( \text{Ig}^{\text{m1Cgn}} )</td>
<td>$120.56</td>
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<tr>
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<td>Male</td>
<td>Homozygous for ( \text{Ig}^{\text{m1Cgn}} )</td>
<td>$120.56</td>
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<tr>
<td>Weeks</td>
<td>SEX</td>
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<td>4 weeks</td>
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