B6.129S2-Ighm^tm1Cgn/J

Stock No: 002288 | muMt -

Congenic Targeted Mutation

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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
Details

Detailed Description
Mice homozygous for the Ighm\textsuperscript{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 "mumu].

Development

Control Suggestions

Selected References

Genetics

Ighm\textsuperscript{tm1Cgn}

Disease/Phenotype

Disease Terms

Research Areas By Genotype

Mammalian Phenotype Terms by Genotype

References

Technical Support
Genotyping Protocols
Standard PCR: $\text{Ighm}^{\text{tm1Cgn}}$
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 mXK 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
RB16 (Maximum)

倾斜

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<table>
<thead>
<tr>
<th>AGE</th>
<th>SEX</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<td>Homozygous for Ighm $^{\text{tm1Cgn}}$</td>
<td>$130.81</td>
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