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>
<td></td>
<td>Contact Technical Support</td>
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<td>(2018-07-27 00:00:00)</td>
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**Ighm^tm1Cgn**

<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>
</tr>
</tbody>
</table>
Mice homozygous for the $lghm$ 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 $muMT$. 
**Disease/Phenotype**

**Disease Terms**

**Research Areas By Phenotype**

**Mammalian Phenotype Terms by Genotype**

**References**

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**Technical Support**

**Genotyping Protocols**
Standard PCR: \( Ighm \)
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 muM™ 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

- RB16 (Maximum)
### Pricing & Availability

**Available Now**

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

### Domestic | International

Pricing effective for USA, Canada and Mexico shipping destinations

<table>
<thead>
<tr>
<th>Live Mouse</th>
<th>AGE</th>
<th>SEX</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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Phone: 207-288-6470
Email: TechTran@jax.org

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