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 \textit{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

<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>\textit{Ighm}</td>
<td>immunoglobulin heavy constant mu</td>
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Mice homozygous for the $Ighm^{tm1Cgn}$ 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 $\mu$MT.
- \textit{Ighm}^{m1Con}

### Disease/Phenotype

#### Disease Terms

#### Research Areas By Phenotype

#### Mammalian Phenotype Terms by Genotype

#### References

### Technical Support

#### Genotyping Protocols
- Standard PCR: \textit{Ighm}
- Standard PCR: \textit{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 muMt\textsuperscript{1} 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

Pricing effective for USA, Canada and Mexico shipping destinations.

<table>
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<th>AGE</th>
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#### International

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Email: TechTran@jax.org

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