B6.129P2(SJL)-Myd88<sup>tm1Defr/J</sup>

Stock No: 008888 | Myd88<sup>fl</sup>

Congenic, Targeted Mutation

2-4 week lead time for up to 4 mice at 4-8 weeks old and age requests are not accepted

Also Known As: Myd88<sup>fl</sup>

These Myd88<sup>fl</sup> mice have loxP sites flanking exon 3 of the myeloid differentiation primary response gene 88 (Myd88). These mutant mice may be useful for Cre-lox studies of signal transduction, Toll-like receptor signaling and natural killer cells.

Donating Investigator

Anthony L DeFranco, University of California San Francisco (UCSF)

GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>N12+N2F3</td>
</tr>
<tr>
<td></td>
<td>(2018-05-01 00:00:00)</td>
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</tbody>
</table>

Myd88<sup>tm1Defr</sup>

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Targeted (Conditional ready (e.g. floxed), No functional change)</td>
<td>Myd88</td>
<td>myeloid differentiation primary response gene 88</td>
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</tbody>
</table>

RESEARCH APPLICATIONS

Developmental Biology Research
Research Tools
Cell Biology Research
Apoptosis Research
Cancer Research
Neurobiology Research
Immunology, Inflammation and Autoimmunity Research
Internal/Organ Research
Details

Detailed Description

Myd88<sup>fl</sup> mice have loxP sites flanking exon 3 of the myeloid differentiation primary response gene 88 (Myd88). Mice that are homozygous for this allele are viable, fertile, normal in size and do not display any gross physical or behavioral abnormalities. When these mutant mice are bred to mice that express Cre recombinase, resulting offspring will have exon 3 deleted in the cre-expressing tissue(s).

When bred to a strain with inducible Cre recombinase expression in dendritic cells (see Stock No. 008068 for example), this mutant mouse strain may be useful in studies of Toll-like receptor signaling during immune responses.

When bred to a strain with Cre recombinase expression in hematopoietic cells (see Stock No. 008610 for example), this mutant mouse strain may be useful in studies of Toll-like receptor signaling and natural killer cells.

When bred to a strain with Cre recombinase expression in villi and crypt cells of the small and large intestines (see Stock No. 004586 for example), this mutant mouse strain may be useful in studies of microbial intestinal flora.

Development

Control Suggestions

Selected References

Genetics

Myd88<sup>tm1Defr</sup>

Disease/Phenotype

Disease Terms

Research Areas By Genotype

Mammalian Phenotype Terms by Genotype
References

Technical Support

Genotyping Protocols
Standard PCR: Myd88<sup>tm1Defr</sup>
Genotyping resources and troubleshooting

Dietary Information
LabDiet® 5K52 formulation (6% fat)

Breeding Considerations
When maintaining a live colony, these mice can be bred as homozygotes.
Additional Breeding and Husbandry Support

Mating System
Homozygote x Homozygote

Citation
When using the Myd88<sup>tm1Defr</sup> mouse strain in a publication, please cite the originating article(s) and include JAX stock #008888 in your Materials and Methods section.
Facility Barrier Level Descriptions
AX11 (Maximum)

Pricing & Availability

2-4 week lead time for up to 4 mice at 4-8 weeks old and age requests are not accepted

<table>
<thead>
<tr>
<th>Domestic</th>
<th>International</th>
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</thead>
<tbody>
<tr>
<td>Live Mouse</td>
<td>Pricing effective for USA, Canada and Mexico shipping destinations</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>AGE</th>
<th>SEX</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<tbody>
<tr>
<td>Approx 4-8 weeks</td>
<td>Female</td>
<td>Homozygous for Myd88&lt;sup&gt;tm1Defr&lt;/sup&gt;</td>
<td>$255.00</td>
</tr>
<tr>
<td></td>
<td>Male</td>
<td>Homozygous for Myd88&lt;sup&gt;tm1Defr&lt;/sup&gt;</td>
<td>$255.00</td>
</tr>
</tbody>
</table>

Related Products and Services

Frozen Mouse Embryo $2,595.00 per straw or vial

Payment Terms and Conditions
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All

By Allele

By Gene

By Collection

All Related Strains
Leading the search for
TOMORROW’S CURES