B6.129S2-Cd8a<sup>tm1Mak</sup>/J

Stock No: 002665 | CD8 KO

- Congenic, Targeted Mutation

PLACE ORDER

0–2 week average lead time for 10 or more mice with age range

Overview
Also Known As: CD8 KO
Mice homozygous for the Cd8a<sup>tm1Mak</sup> targeted mutation are deficient in functional cytotoxic T-cells; however, helper T-cell development and function is comparable to normal.

Donating Investigator
Dr. Tak Mak, University Health Network/Un of Toronto

GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>F7×N3F5pF10</td>
</tr>
<tr>
<td></td>
<td>(2018-06-13 00:00:00)</td>
</tr>
</tbody>
</table>

**Cd8a<sup>tm1Mak</sup>**

<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>Cd8a</td>
<td>CD8 antigen, alpha chain</td>
</tr>
</tbody>
</table>

RESEARCH APPLICATIONS
Immunology, Inflammation and Autoimmunity Research
Mice homozygous for the Cd8a<sup>tm1Mak</sup> targeted mutation are deficient in functional cytotoxic T-cells; however, helper T-cell development and function is comparable to normal.

Genotyping Protocols
Standard PCR: Cd8a<sup>tm1Mak</sup>
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 CD8 KO mouse strain in a publication, please cite the originating article(s) and include JAX stock #002665 in your Materials and Methods section.

Facility Barrier Level Descriptions

 AX18 (Maximum)

Pricing & Availability

0–2 week average lead time for 10 or more mice with age range

Repository Live

<table>
<thead>
<tr>
<th>AGE</th>
<th>SEX</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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</thead>
<tbody>
<tr>
<td>4 weeks</td>
<td>Female</td>
<td>Homozygous for Cd8a&lt;sup&gt;tm1Mak&lt;/sup&gt;</td>
<td>$183.00</td>
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<tr>
<td></td>
<td>Male</td>
<td>Homozygous for Cd8a</td>
<td>$183.00</td>
</tr>
<tr>
<td>5 weeks</td>
<td>Female</td>
<td>Homozygous for Cd8a&lt;sup&gt;tm1Mak&lt;/sup&gt;</td>
<td>$183.00</td>
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<tr>
<td></td>
<td>Male</td>
<td>Homozygous for Cd8a</td>
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<tr>
<td>6 weeks</td>
<td>Female</td>
<td>Homozygous for Cd8a&lt;sup&gt;tm1Mak&lt;/sup&gt;</td>
<td>$183.00</td>
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<tr>
<td></td>
<td>Male</td>
<td>Homozygous for Cd8a</td>
<td>$183.00</td>
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<tr>
<td>7 weeks</td>
<td>Female</td>
<td>Homozygous for Cd8a&lt;sup&gt;tm1Mak&lt;/sup&gt;</td>
<td>$183.00</td>
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<tr>
<td></td>
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<tr>
<td>8 weeks</td>
<td>Female</td>
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</table>

Related Products and Services

Frozen Mouse Embryo $2,595.00 per straw or vial

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- By Allele
- By Gene
- By Collection

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