B6.129S2-Cd28 tm1Mak/J

Stock No: 002666 | CD28 -

Congenic, Targeted Mutation

REPOSITORY LIVE

PLACE ORDER

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

Also Known As: CD28 -
These mice lack CD28 expression on T cells and may be used for immunological studies.

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

READ MORE +

GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tbody>
<tr>
<td></td>
<td>N12F48</td>
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<td>(2017-11-10 00:00:00)</td>
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<table>
<thead>
<tr>
<th>Cd28 tm1Mak</th>
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<tbody>
<tr>
<td>Allele Type</td>
</tr>
<tr>
<td>Targeted (Null/Knockout)</td>
</tr>
</tbody>
</table>

VIEW GENETICS

RESEARCH APPLICATIONS

Immunology, Inflammation and Autoimmunity Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE
Starting at:

$231.00 Domestic price for female
**Details**

**Detailed Description**
Mice homozygous for the Cd28<sup>tm1Mak</sup> targeted mutation exhibit normal development of T and B cells, but have an impaired response to lectins. Other characteristics of homozygous mutant mice include decreased IL2 receptor expression, reduced basal Ig levels, low titers of IgG1 and IgG2b but increased IgG2a, reduced activity of T helper cells and diminished Ig class switching after infection with vesicular stomatitis virus. Infection of mice with lymphocytic choriomeningitis virus creates induced and delayed-type hypersensitivity response in cytotoxic T cells.

**Development**

**Control Suggestions**

**Selected References**

**Genetics**

**Cd28<sup>tm1Mak</sup>**

**Disease/Phenotype**

**Disease Terms**

**Research Areas By Genotype**

**Mammalian Phenotype Terms by Genotype**

**References**

**Technical Support**

**Genotyping Protocols**
Melt Curve Analysis: Cd28<sup>tm1Mak</sup>alternate1
Genotyping resources and troubleshooting

**Dietary Information**
New Diet as of March 2015: Lab Diet® 5K0Q (6% fat)
Mating System
Homozygote x Homozygote

Appearance
black
Related Genotype: a/a

Citation
When using the C57Bl/6j mouse strain in a publication, please cite the originating article(s) and include JAX stock #002666 in your Materials and Methods section.

Facility Barrier Level Descriptions
AX10 (Standard)

Pricing & Availability

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

Domestic | International
Pricing effective for USA, Canada and Mexico shipping destinations

Live Mouse

<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 Cd28^m1Mak</td>
<td>$231.00</td>
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<tr>
<td></td>
<td>Male</td>
<td>Homozygous for Cd28^m1Mak</td>
<td>$231.00</td>
</tr>
</tbody>
</table>

Related Products and Services

Frozen Mouse Embryo | $2,595.00 per straw or vial

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