This Card6 knockout strain may be useful in studies of signal transduction and NF-κB activation.

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>Card6tm1.1Aldu</td>
<td></td>
</tr>
</tbody>
</table>

<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>Card6</td>
<td>caspase recruitment domain family, member 6</td>
</tr>
</tbody>
</table>

**BASE PRICE**

Starting at: B6.129P2(Cg)-Card6tm1.1Aldu/MakJ Stock No: 029253 | Card6 KO

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.
Details

Detailed Description

The targeted Card6 gene encodes a protein that carries a CARD, caspase recruitment domain, interacts with microtubules, modulates NF-κB activation and is upregulated beta IFN and gamma IFN. These knock-out mice carry a mutation in which exon 4 has been deleted via Cre-mediated recombination. No gene product (mRNA or ΔCARD6S variant protein) is detected by RT-PCR analysis of splenocytes or Western blot analysis of bone marrow and thymocytes from homozygotes. Mice that are homozygous for the targeted mutation are viable, fertile, and show no overt phenotype. During backcrossing, the Y chromosome may not have been fixed to the C57BL/6 genetic background.

Development

Control Suggestions

Selected References

Genetics

Card6<sup>tm1.1Aldu</sup>

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References
Technical Support

Genotyping Protocols
Separated PCR: Card6
QPCR: Generic Neo Quantitative PCR-QPCR- 1.2
Genotyping resources and troubleshooting

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

Additional Breeding and Husbandry Support
Mating System
Heterozygote x Heterozygote

Citation
When using the Card6 KO mouse strain in a publication, please cite the originating article(s) and include JAX stock #029253 in your Materials and Methods section.

Animal Health Reports
Facility Barrier Level Descriptions
Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, G200

Pricing & Availability

Cryo Recovery - Domestic Pricing

<table>
<thead>
<tr>
<th>SERVICE/PRODUCT</th>
<th>DESCRIPTION</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Heterozygous or wildtype for Card6&lt;tm1.1Aldu&gt;</td>
<td>$2,854.50</td>
</tr>
</tbody>
</table>

Related Products and Services

Frozen Mouse Embryo
B6.129P2(Cg)-Card6<tm1.1Aldu>/MakJ $2595.00
Terms of Use

Additional Use Restrictions Apply

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Related Strains

All

By Allele

By Gene

By Collection

All Related Strains