**Overview**

**Also Known As:** Bcl6<sup>fl</sup>

Bcl6<sup>fl</sup> mice may be useful for studying the role of BCL6 in promoting T<sub>FH</sub> cell differentiation and survival.

**Donating Investigator**

Alexander L. Dent, Indiana University School of Medicine
GENETIC OVERVIEW

Genetic Background  Generation
N6+pN1F15  (2019-10-02 00:00:00)

Bcl6<sup>tm1.1Dent</sup>

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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<tbody>
<tr>
<td>Targeted</td>
<td>Bcl6</td>
<td>B cell leukemia/lymphoma 6</td>
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RESEARCH APPLICATIONS

Immunology, Inflammation and Autoimmunity Research
Research Tools

BASE PRICE
Starting at:
$255.00 Domestic price for female 4-week

Details

Detailed Description

These Bcl6<sup>fl/fl</sup> mutant mice possess loxP sites flanking exons 7-9 of the B cell leukemia/lymphoma 6 (Bcl6) gene. Bcl6 encodes a transcriptional repressor that regulates the differentiation of CD4 T cells into follicular Th cells (T<sub>FH</sub>). Homozygotes are viable and fertile. When these mutant mice are bred to mice that express Cre recombinase, resulting offspring will have exons 7-9 deleted in cre-expressing tissues.

For example, when crossed to STOCK Tg(Cd4-cre)1Cwi/BfluJ mice (Stock No. 017336) expressing Cre recombinase in CD4-expressing T cells, double mutant mice exhibit almost complete loss of germinal center (GC) B cells and T<sub>FH</sub> cells when immunized with sheep red blood cells.

Development

Control Suggestions
Genotyping Protocols
Standard PCR: Bcl6\textsuperscript{tm1.1Dent}

Dietary Information
New Diet as of March 2015: Lab Diet® 5K0Q (6% fat)

Breeding Considerations
When maintaining a live colony mice homozygous for the floxed allele may be bred together.

Additional Breeding and Husbandry Support
Mating System
Homozygote x Homozygote

Citation
When using the Bcl6\textsuperscript{tm1.1Dent} mouse strain in a publication, please cite the originating article(s) and include JAX stock #023727 in your Materials and Methods section.

Animal Health Reports
Facility Barrier Level Descriptions
AX18 (Maximum)

Pricing & Availability
Live mice available in varying quantities. Ask Customer Service for details.
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<th>AGE</th>
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