B6.129S2-Cd4^tm1Mak/J

Additional Use Restrictions Apply

Stock No: 002663 | CD4 KO

Congenic, Targeted Mutation

Overview

Also Known As: CD4 KO

Mice homozygous for the Cd4^tm1Mak targeted mutation have a significant block in CD4^+ T-cell development. Cell surface expression of CD4 protein is not detected on thymocytes and lymph node cells from homozygous mice. Homozygous mutant mice also show a Class II restricted deficit in helper T-cell activity and other T-cell responses. This mutant mouse strain may be useful in studies of T cell development, susceptibility to viral infection and inflammation.

Genetic overview

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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</thead>
<tbody>
<tr>
<td>C57BL/6</td>
<td>Contact Technical Support (27-JUL-18)</td>
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<tr>
<td>Cd4^tm1Mak</td>
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<tr>
<td>Allele Type</td>
<td>Gene Symbol</td>
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<tr>
<td>Targeted (Null/Knockout)</td>
<td>Cd4</td>
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