B6.129S2-Tcra^{tm1Mom}/J

Additional Use Restrictions Apply

Stock No: 002116 | Tcra KO

Congenic, Targeted Mutation

Overview

Also Known As: Tcra KO

Mice homozygous mice for the Tcra^{tm1Mom} targeted mutation are deficient in the alpha beta T-cell receptor. The thymus is devoid of CD4^+CD8^- and CD4^-CD8^+ cells. Normal numbers of CD4^+CD8^- cells are retained without the IL2 receptor. There are normal numbers of CD4^-CD8^+ cells. Mice may develop inflammatory bowel disease beginning at ~4-6 months of age.

Genetic overview

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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</thead>
<tbody>
<tr>
<td>000664 C57BL/6J</td>
<td>N13F27</td>
</tr>
<tr>
<td></td>
<td>(14-AUG-14&lt;)</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>Tcra</td>
</tr>
</tbody>
</table>

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