B6.129S2-Tcra\textsuperscript{tm1Mom}/J

Additional Use Restrictions Apply

Stock No: 002116 | Tcra KO

Congenic, Targeted Mutation

AVAILABLE NOW

Overview

Also Known As: Tcra KO

Mice homozygous mice for the Tcra\textsuperscript{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>Contact Technical Support (27-JUL-18-)</td>
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</tbody>
</table>
Allele Type  | Gene Symbol | Gene Name
---|---|---
Targeted (Null/Knockout) | Tcra | T cell receptor alpha chain

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