B6.129S2-Tap1<sup>tm1Arp</sup>/J

Additional Use Restrictions Apply

Stock No: 002944

Congenic, Targeted Mutation

Overview

Mice homozygous mice for Tap1<sup>tm1Arp</sup> lack CD4<sup>+</sup>8<sup>+</sup> T cells. They are defective in the stable assembly and intracellular transport of class I molecules, and show severely reduced levels of class I surface molecules. This phenotype is similar to human beings with TAP1 and TAP2 deficiencies.

Genetic overview

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td>000664 C57BL/6J</td>
<td>N10F39</td>
</tr>
<tr>
<td></td>
<td>(20-JUL-17&lt;)</td>
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</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>Tap1</td>
<td>transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)</td>
</tr>
</tbody>
</table>

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