B6.129P2-B2m<sup>tm1Unc</sup>/J

Stock No: 002087 | B2m KO

Congenic, Targeted Mutation

**Overview**

Also Known As: B2m KO

Mice homozygous for the B2m<sup>tm1Unc</sup> targeted mutation have little if any MHC class I protein expression on the cell surface. There are few CD8<sup>+</sup> cytotoxic T-cells and under some circumstances a compensatory increase in CD4<sup>+</sup> cytotoxic T-cells. Immune responses involving CD8<sup>+</sup> T-cells are severely deficient, providing a model to assess the role of CD8<sup>+</sup> cells and class I MHC in various experimental systems.

**Genetic overview**

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td>C57BL/6</td>
<td>N11F57</td>
</tr>
<tr>
<td></td>
<td>(05-AUG-14&lt;)</td>
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</tbody>
</table>

B2m<sup>tm1Unc</sup>
<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>B2m</td>
<td>beta-2 microglobulin</td>
</tr>
</tbody>
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