B6;129P2-B2m^{tm1Unc}/J

Stock No: 002070

Targeted Mutation

Overview

Mice homozygous for the B2m^{tm1Unc} targeted mutation have little if any MHC class I protein expression on the cell surface. Immune responses involving CD8^+T-cells are severely deficient providing a model to assess the role of CD8^+ cells and class I MHC in various experimental systems.

Genetic overview

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tbody>
<tr>
<td>B2m^{tm1Unc}</td>
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<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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<tbody>
<tr>
<td>Targeted (Null/Knockout)</td>
<td>B2m</td>
<td>beta-2 microglobulin</td>
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