B6.129P2-Cd38\textsuperscript{im1td/J}

Stock No: 003727 | CD38-

Congenic, Targeted Mutation

Overview

Also Known As: CD38-

These Cd38 knock-out mice exhibit impairments in glucose-induced increases in ADP-ribosyl cyclase/cyclic ADP-ribose (cADPR), intracellular calcium concentration, and insulin secretion. They are unable to mount an innate immune response to bacterial pathogens.

Genetic overview

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tbody>
<tr>
<td>Cd38\textsuperscript{im1td}</td>
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<table>
<thead>
<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>Cd38</td>
<td>CD38 antigen</td>
</tr>
</tbody>
</table>

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