B6.129S-Cybb<sup>tm10m/J</sup>

Stock No: 002365 | gp91phox-

- Congenic, Targeted Mutation

Overview

Also Known As: gp91phox-

Affected hemizygous male mice lack phagocyte superoxide production, manifest an increased susceptibility to infection with Staphylococcus aureus and Aspergillus fumigatus and have an altered inflammatory response in thioglycollate peritonitis. This animal model should aid in developing new treatments for chronic granulomatous disease and in evaluating the role of phagocyte-derived oxidants in inflammation.

Genetic overview

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td>C57BL/6</td>
<td>Contact Technical Support (27-JUL-18)</td>
</tr>
</tbody>
</table>

Cybb<sup>tm10m</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>Cybb</td>
<td>cytochrome b-245, beta polypeptide</td>
</tr>
</tbody>
</table>

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See mouse strain information online for current details

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