B6.129P2-Fcgr3<sup>tm1Jv</sup>/2J

Stock No: 009637 | Fc RIII

Congenic, Targeted Mutation

Overview

Also Known As: Fc RIII<sup>-</sup>, CD16(SLE BI/6)

Mice homozygous for the Fcgr3<sup>tm1Jv</sup> (Fc receptor, IgG, low affinity III) targeted mutation lack NK cell-mediated antibody-dependent cytotoxicity, phagocytosis of IgG1-coated particles by macrophages, IgG-mediated mast cell degranulation, are resistant to IgG-dependent passive cutaneous anaphylaxis, and exhibit an impaired Arthus reaction. This mutant mouse strain may be useful in studies of allergic response, anaphylaxis, and hypersensitive immune response.

Genetic overview

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tbody>
<tr>
<td>Fcgr3&lt;sup&gt;tm1Jv&lt;/sup&gt;</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>Fcgr3</td>
<td>Fc receptor, IgG, low affinity III</td>
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