B6.129P2-Fcgr3<sup>tm1Lyr/2J</sup>

Stock No: 009637 | Fc RIII−

- Congenic, Targeted Mutation

**Overview**

**Also Known As: Fc RIII−, CD16 (SLE B1/6)**

Mice homozygous for the Fcgr3<sup>tm1Lyr</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**

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<th>Genetic Background</th>
<th>Generation</th>
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<td>Fcgr3&lt;sup&gt;tm1Lyr&lt;/sup&gt;</td>
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- **Allele Type**: Targeted (Null/Knockout)
- **Gene Symbol**: Fcgr3
- **Gene Name**: Fc receptor, IgG, low affinity III

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