B6.129S2-Ifnar1<sup>tm1ld/Mmjax</sup>

**Additional Use Restrictions Apply**

MMRRC Stock No: 32045-JAX | IFN- R-

Congenic, Targeted Mutation

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**Overview**

**Also Known As: IFN- R-**

Mice homozygous for this Ifnar1 knock-out mutation are more susceptible to viral infection, have an abnormal NK antitumor response, and reduced bone mass. This mutant mouse strain may be useful in studies of immunological responses to infection, and bone homeostasis. Mouse mutants involving this gene have been used in studies of Zika virus pathogenesis. Note: these mice carry the same allele as ‘A129’ mice, although on a congenic C57BL/6, not 129, genetic background.

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**Genetic overview**

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>N6+N1F5 (23-AUG-17&lt;)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Ifnar1&lt;sup&gt;tm1ld&lt;/sup&gt;</th>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Targeted (Null/Knockout)</td>
<td>Ifnar1</td>
<td>interferon (alpha and beta) receptor 1</td>
</tr>
</tbody>
</table>

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