Overview

Also Known As: Triple KO (TKO)

Triple Knockout mice lack RAG2, CD47, and X-linked IL2RG making them tolerant of xenotransplantation, resistant to graft versus host disease, and susceptible to HIV.

Genetic overview

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>N10+pN2F9</td>
</tr>
<tr>
<td></td>
<td>(26-OCT-17+)</td>
</tr>
</tbody>
</table>

### Cd47

<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>Cd47</td>
<td>CD47 antigen (Rh-related antigen, integrin-associated signal transducer)</td>
</tr>
</tbody>
</table>

### Il2rg

<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>Il2rg</td>
<td>interleukin 2 receptor, gamma chain</td>
</tr>
</tbody>
</table>

### Rag2

<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>Rag2</td>
<td>recombination activating gene 2</td>
</tr>
</tbody>
</table>

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