B6.129P2-Cbfb<sup>tm1lan</sup>/J

Stock No: 008765

- Congenic, Targeted Mutation

**Overview**

These mice possess loxP sites on either side of exon 5 in the targeted gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific expression of the gene.

When bred to CD4-cre mice, homozygous animals have reduced peripheral T cell numbers, abnormal CD4/CD8 expression, and altered response to antigen receptor stimulation. In addition, these mice show autoimmune colitis and asthma-like syndrome.

**Genetic overview**

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tr>
<td>Cbfb&lt;sup&gt;tm1lan&lt;/sup&gt;</td>
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**Allele Type**
- Targeted (Conditional ready (e.g. floxed), No functional change)

**Gene Symbol**
- Cbfb

**Gene Name**
- core binding factor beta

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