C57BL/6J-Ptpn6 "SzJ"

Stock No: 010825

Coisogenic, Spontaneous Mutation

Overview

Mice homozygous for the motheaten spontaneous mutation (Ptpn6<sup>me</sup>) develop severe autoimmune disease. Characteristics include granulocytic skin lesions, pneumonitis, impaired humoral and cell-mediated immune responses, decreased responses to T cell and B cell mitogens, deficient cytotoxic T cell and NK cell activity, as well as osteoporosis.

### Genetic overview

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<td>Ptpn6&lt;sup&gt;me&lt;/sup&gt;</td>
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**Allele Type**: Spontaneous

**Gene Symbol**: Ptpn6

**Gene Name**: protein tyrosine phosphatase, non-receptor type 6

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