C57BL/6J-Ptnp6^me-v/J

Stock No: 000811

Gene Symbol: Ptnp6
Gene Name: protein tyrosine phosphatase, non-receptor type 6

Overview

Mice homozygous for the viable motheaten spontaneous mutation (Ptnp6^me-v) develop severe autoimmune disease characterized by granulocytic skin lesions, pneumonitis, impaired humoral and cell-mediated immune responses, decreased responses to T cell and B cell mitogens and deficient cytotoxic T cell and NK cell activity. These mice also exhibit characteristics of osteoporosis.

Genetic overview

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tbody>
<tr>
<td><strong>Ptnp6^me-v</strong></td>
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<tr>
<td>Allele Type</td>
<td>Gene Symbol</td>
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<tr>
<td>Spontaneous (Not Specified)</td>
<td>Ptnp6</td>
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</tbody>
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