C57BL/6J-Ptpn6^me-v^J

Stock No: 000811

Coisogenic, Spontaneous Mutation

Overview

Mice homozygous for the viable motheaten spontaneous mutation (Ptpn6^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>Ptpn6^me-v^</td>
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<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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<tbody>
<tr>
<td>Spontaneous (Not Specified)</td>
<td>Ptpn6</td>
<td>protein tyrosine phosphatase, non-receptor type 6</td>
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</tbody>
</table>

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See mouse strain information online for current details

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