C3H/HeJ

Stock No: 000659 | C3H

Inbred Strain

READILY AVAILABLE

Overview

Also Known As: C3H, C3, C3H Heston

C3H/HeJ mice, commonly called C3H, are used as a general purpose strain in a wide variety of research areas including cancer, infectious disease, sensorineural, and cardiovascular biology research. A spontaneous mutation in Tlr4 occurred in C3H/HeJ at the lipopolysaccharide response locus (mutation in toll-like receptor 4 gene, Tlr4<sup>Lps<sup>-/−</sup></sup>) making C3H/HeJ mice more resistant to endotoxin. C3H/HeJ mice are highly susceptible to infection by Gram-negative bacteria such as Salmonella enterica. The C3H substrains at The Jackson Laboratory are homozygous for the retinal degeneration 1 mutation (Pde6b<sup>rd1</sup>), causing blindness by weaning age.

Genetic overview

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tbody>
<tr>
<td>F258pF261</td>
<td>(14-AUG-14)</td>
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