C.Cg-Tg(D011.10)10Dlo/J

Stock No: 003303

Green Congenic, Transgenic

Overview

Mice carrying this MHC class II restricted rearranged T cell receptor transgene on a H2d background react to ovalbumin (OVA) peptide antigen. Intraperitoneal administration of OVA to transgenic mice results in a rapid depletion of the immature CD4+ CD8+ TCRlo thymocytes with progression to mature thymocytes. Apoptosis of cortical thymocytes in these mice occurs within 20 hours of treatment. These mice may be useful for studies of T cell selection and death in immune responses and in the generation of tolerance, as well as for studying the mechanisms of apoptosis.

Genetic overview

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<th>Genetic Background</th>
<th>Generation</th>
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<td>BALB/c</td>
<td>N15F7&gt;F3F13 (06-AUG-14)</td>
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Tg(D011.10)10Dlo

Allele Type
Transgenic (Inserted expressed sequence)
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