B6SJL-Tg(APPSwFlLon,PSEN1*M146L*L286V)6799Vas/Mmjax

Additional Use Restrictions Apply

MMRRC Stock No: 34840-JAX | 5XFAD

Transgenic

REPOSITORY LIVE

Overview

Also Known As: 5XFAD, Tg6799

These 5XFAD transgenic mice overexpress mutant human APP(695) with the Swedish (K670N, M671L), Florida (I716V), and London (V717I) Familial Alzheimer’s Disease (FAD) mutations along with human PS1 harboring two FAD mutations, M146L and L286V. Both transgenes are regulated by the mouse Thy1 promoter to drive overexpression in the brain. 5XFAD mice recapitulate major features of Alzheimer’s Disease amyloid pathology and may be a useful model of intraneuronal Abeta-42 induced neurodegeneration and amyloid plaque formation.

Genetic overview

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<td>N11-N21</td>
<td>(06-JUL-17&lt;)</td>
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Tg(APPSwFlLon,PSEN1*M146L*L286V)6799Vas

Allele Type

Transgenic (Humanized sequence, Inserted expressed sequence)

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