B6.Cg-Tg(APPSwFlOn,PSEN1*M146L*L286V)6799Vas/Mmjax

Additional Use Restrictions Apply

MMRRC Stock No: 34848-JAX | 5XFAD

Congenic, Transgenic

Overview

Also Known As: 5XFAD

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

Genetic overview

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tr>
<td>N6+N1F7</td>
<td>(01-JAN-18&lt;)</td>
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Tg(APPSwFlOn,PSEN1*M146L*L286V)6799Vas

Allele Type

Transgenic (Humanized sequence, Inserted expressed sequence)

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