STOCK Tg(Thy1-EGFP)MJrs/J

Stock No: 007788 | Thy1-GFP line M

Transgenic

AVAILABLE

PLACE ORDER
Live mice available in varying quantities. Ask Customer Service for details.

Overview

Also Known As: Thy1-GFP line M
These Thy1-GFP-M transgenic mice may be useful in neurobiological studies for fluorescent labeling of neural tissues, especially for mossy fibers in the cerebellum and intense, yet sparse, labeling of a variety of neuronal subsets.

Donating Investigator
Joshua R Sanes, Harvard University

READ MORE +
Tg(Thy1-EGFP)MJrs

Allele Type
Transgenic (Reporter)

RESEARCH APPLICATIONS
Research Tools
Neurobiology Research

BASE PRICE
Starting at:
$255.00 Domestic price for female
$333.51 Domestic price for breeder pair

Details

Detailed Description
Mice harboring the Thy1-GFP transgene are viable and fertile with enhanced green fluorescent protein (EGFP) expression under the control of a modified Thy1 promoter region (containing the sequences required for neuronal expression but lacking the sequences required for expression in non-neural cells). Homozygous or heterozygous Thy1-GFP mice derived from founder line M (Thy1-GFP-M or Thy1-GFPM) express EGFP in sparse subsets of neurons within specific populations; providing a bright, vital Golgi-like stain. Less than 10% of all motor axons, retinal ganglion cells, lumbar dorsal root ganglion, and cortex express EGFP. These Thy1-GFPM transgenic mice may be useful in neurobiological studies for fluorescent labeling of neural tissues, especially for mossy fibers in the cerebellum and intense, yet sparse, labeling of a variety of neuronal subsets.

This strain is one of many from the donating investigator with specific/differential fluorescent protein expression in neural tissues (see Stock No. 003709, Stock No. 003710, Stock No. 003782, and Stock No. 005630) or multiple fluorescent protein expression in neural tissues (see the Brainbow mice; Stock No. 007901, Stock No. 007910, Stock No. 007911, Stock No. 007921).
Genotyping Protocols
MELT: Tg(Thy1-EGFP)HJrs-alternate2
Genotyping resources and troubleshooting

Dietary Information
LabDiet® 5K52 formulation (6% fat)

Breeding Considerations
When maintaining a live colony, hemizygous mice may be bred to wildtype (noncarrier) siblings. The donating investigator suggests that backcrossing these mice onto the C57BL/6 genetic background may lead to breeding difficulties.

Additional Breeding and Husbandry Support

Mating System
Noncarrier x Hemizygote

Citation
When using the Thy1-EGFP line M mouse strain in a publication, please cite the originating article(s) and include JAX stock #007788 in your Materials and Methods section.

Animal Health Reports

Pricing & Availability
Live mice available in varying quantities. Ask Customer Service for details.
### Live Mouse

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<tr>
<th>AGE</th>
<th>SEX</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<tr>
<td>Approx 4-8 weeks</td>
<td>Female</td>
<td>Hemizygous for Tg(Thy1-EGFP)M.Jrs</td>
<td>$255.00</td>
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<tr>
<td></td>
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<td>$255.00</td>
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<tr>
<td>Approx 4-8 weeks</td>
<td>Female</td>
<td>Noncarrier</td>
<td>$78.51</td>
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### Breeder Pair

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### Related Products and Services

- Frozen Mouse Embryo: $2,595.00 per straw or vial

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Terms are granted by individual review and stated on the customer invoice(s) and account statement. These transactions are payable in U.S. currency within the granted terms. Payment for services, products, shipping containers, and shipping costs that are rendered are expected within the payment terms indicated on the invoice or stated by contract. Invoices and account balances in arrears of stated terms may result in The Jackson Laboratory pursuing collection activities including but not limited to outside agencies and court filings.

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**Terms of Use**

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**FAQ**

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