Overview

FVB/N-Tg (MMTVneu) 202Mul/J

Stock No: 002376

Transgenic

AVAILABLE NOW

PLACE ORDER

Sized to accommodate orders of up to 10 or more with age range. Ask Customer Service for details.
The female mice of this strain represent a mouse model of mammary tumor in humans. These mice express unactivated neu (Erbb2) under the transcriptional control of the mouse mammary tumor virus promoter/enhancer. 50% tumor incidence was observed in both virgin and non-virgin females by 205 days of age (Guy CT, et al., 1992. *Proc Natl Acad Sci USA*).

**Donating Investigator**

Dr. William J. Muller, McGill University

**GENETIC OVERVIEW**

- **Genetic Background**
- **Generation**
  - Contact Technical Support
    - (2019-05-22 00:00:00)

**Tg(MMTVneu)202Mul**

- **Allele Type**
  - Transgenic (Inserted expressed sequence)

**RESEARCH APPLICATIONS**

Cancer Research
Mice homozygous for the MMTVneu (rat) transgene are viable and fertile. There is no phenotypic effect in males. The transgene is expressed at low levels in normal mammary epithelium, salivary gland, and lung. Higher expression is detected in tumor tissue. Focal mammary tumors first appear at 4 months, with a median incidence of 205 days. Both virgin and breeder mice develop tumors. Tumors arise as foci in hyperplastic, dysplastic mammary glands. Seventy-two percent of tumor-bearing mice that live to 8 months or longer develop metastatic disease to the lung. The phenotype of MMTV/unactivated neu transgenic mice differs from that of the MMTV/activated neu produced by Phil Leder, in which multifocal tumors involving the entire mammary epithelium arise.
Breeding Considerations

This strain is an exceptional breeder.

Additional Breeding and Husbandry Support

Mating System

Homozygote x Homozygote

Appearance

albino

Related Genotype: Tyr*/Tyr*

Citation

When using the FVB/N-Tg(MMTVneu)202Mul/J mouse strain in a publication, please cite the originating article(s) and include JAX stock #002376 in your Materials and Methods section.

Animal Health Reports

Facility Barrier Level Descriptions

Ax (Standard)

Pricing & Availability

Sized to accommodate orders of up to 10 or more with age range. Ask Customer Service for details.

Live Mouse

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<th>AGE</th>
<th>SEX</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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