**C57BL/6-Tg(TRAIMP)8247Ng/J**

Stock No: 003135 | B6 TRAMP mice

- Coisogenic
- Transgenic

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**Also Known As: B6 TRAMP mice**

These mice harbor the Transgenic Adenocarcinoma of the Mouse Prostate (TRAMP); PB-Tag Line 8247 transgene. Mice hemizygous for the TRAMP transgene develop progressive forms of prostate cancer with distant site metastasis and exhibit various forms of disease from mild intraepithelial hyperplasia to large multinodular malignant neoplasia.

**Donating Investigator**

Dr. Norman M. Greenberg, Pfizer Global Research and Development

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**GENETIC OVERVIEW**

- **Genetic Background:**
  - Generation
  - N?×12pN26
  - (2018-04-02 00:00:00)

- **Tg(TRAIMP)8247Ng**
  - **Allele Type:**
    - Transgenic (Inserted expressed sequence)

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**RESEARCH APPLICATIONS**

- Reproductive Biology Research
- Cancer Research

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**BASE PRICE**
Starting at:

$76.22 Domestic price for female

280.46 Domestic price for breeder pair

Details

Detailed Description

These mice harbor the Transgenic Adenocarcinoma of the Mouse Prostate (TRAMP); PB-Tag Line 8247 transgene. Mice hemizygous for the TRAMP transgene develop progressive forms of prostate cancer with distant site metastasis and exhibit various forms of disease from mild intraepithelial hyperplasia to large multinodular malignant neoplasia. TRAMP hemizygotes can exhibit prostatic epithelial neoplasia (PIN) by 12 weeks of age. Tumors, appearing as well differentiated adenocarcinoma, can arise by 24 weeks of age, mostly in the dorsal and lateral lobes of the prostate. By 30 weeks of age, most hemizygous mice will display evidence of metastatic spread to the lymph nodes and/or lungs, phylloides appearance of some tumors, and seminal vesicle invasion. Tumors exhibit elevated levels of nuclear TRP53 and decreased androgen receptor expression. Note that pure C57BL/6 TRAMP hemizygotes may live to 52 weeks of age or longer.

TRAMP mice are also available on a mixed C57BL/6 x FVB/N genetic background (as Stock No. 008215).

Development

Expression Data

Control Suggestions

Selected References

Genetics

Tg(TRAMP)8247Ng

Disease/Phenotype

Disease Terms

Research Areas By Genotype

Mammalian Phenotype Terms by Genotype

References

Technical Support
Genotyping Protocols
MELT: Tg(TRAMP)8247Ng
Genotyping resources and troubleshooting

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

Breeding Considerations
Expected coat color from breeding is Black.
Additional Breeding and Husbandry Support

Mating System
C57BL/6J (000664) x Hemizygote
Hemizygous x C57BL/6J (000664)

Appearance
black
Related Genotype: a/a

Citation
When using the B6.TRAMP mice mouse strain in a publication, please cite the originating article(s) and include JAX stock #003135 in your Materials and Methods section.

Animal Health Reports
Facility Barrier Level Descriptions
AX11 (Maximum)

Pricing & Availability

Repository Live
2–4 week lead time for up to 4 mice at 4-8 weeks old and age requests are not accepted

Domestic International
Pricing effective for USA, Canada and Mexico shipping destinations

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<thead>
<tr>
<th>Live Mouse</th>
<th>SEX</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<td>Female</td>
<td>Hemizygous for Tg(TRAMP)8247Ng</td>
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<td></td>
<td>Male</td>
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<tr>
<td>Approx 4-8 weeks</td>
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<td>Noncarrier</td>
<td>$76.22</td>
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<tr>
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Breeder Pair

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**Terms of Use**

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Phone: 207-288-6470

Email: TechTran@jax.org

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Related Strains

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