**FVB-Tg(C3-1-TAg)cJeg/J**

**Stock No:** 003381

Transgenic

This strain has been discontinued, please refer to Stock No. 013591

**Donating Investigator**

Jeffrey E Green, National Cancer Institute, National Institutes of Health (NIH/NCI)

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**GENETIC OVERVIEW**

<table>
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<th>Genetic Background</th>
<th>Generation</th>
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<tr>
<td>Tg(C3-1-TAg)cJeg</td>
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**Allele Type**

Transgenic (Inserted expressed sequence)

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**RESEARCH APPLICATIONS**

Reproductive Biology Research  
Cancer Research

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**Details**

**Detailed Description**

This transgenic strain is a model for the study of multistage oncogenesis in the prostate and mammary glands. Male transgenic mice develop prostatic hyperplasia in early life that progresses to adenoma or adenocarcinoma in about half of the animals which survive
longer 7 months of age. Female animals generally develop mammary intraepithelial neoplasia with similarities to DCIS by 3 months of age with subsequent development of mammary adenocarcinoma by 6 months of age in 100% of the animals. About 10 – 15% of female mice develop lung metastases, although lung metastases from prostate cancer is extremely rare. Bone metastases have not been observed. The phenotype for this transgene has been most extensively studied in the FVB/N background.

Expression Data

Control Suggestions

Selected References

Genetics

Tg(C3-1-TAg)cJeg

Disease/Phenotype

Disease Terms

Research Areas By Genotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

MELT: Generic SV40 TAg 1
Genotyping resources and troubleshooting

Appearance

albino
Related Genotype: Tyc^c/Tyr^c

Terms Of Use

Terms of Use

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