These MMTV-Cre/Line D mice express a transgene containing Cre recombinase with widespread expression (but not in oocytes) under control the MMTV LTR promoter.

Donating Investigator
Dr. Lothar Hennighausen, National Institutes of Health

RESEARCH APPLICATIONS
Research Tools
Cancer Research

STOCK Tg(MMTV-cre)4Mam/J
Stock No: 003553 | MMTV-Cre/Line D
Transgenic
Live mice available in varying quantities. Ask Customer Service for details.

GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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Tg(MMTV-cre)4Mam

Allele Type
Transgenic (Recombinase-expressing)
Detailed Description

This transgenic strain expresses Cre recombinase under the control of the mouse mammary tumor virus (MMTV) long terminal repeat (LTR) promoter. The MMTV LTR promoter directs a widespread pattern of expression. High levels of recombination have been detected in the virgin and lactating mammary gland, salivary gland, seminal vesicle, skin, erythrocytes, B cells and T cells. Little background recombination was observed in the lung, kidney, liver and brain tissues (less than 10%). The donating investigator indicates that this strain may be suitable for use in applications where it is desirable to delete genes in the virgin and lactating mammary gland, skin, erythroid cells, and other secretory tissues and skin.

Development

Expression Data

Control Suggestions

Selected References

Genetics

Tg(MMTV-cre)4Mam

Disease/Phenotype

Disease Terms

Research Areas By Phenotype
Genotyping Protocols
Probe: Generic Cre Probe
QPCR: Generic Cre Quantitative PCR
QPCR: Generic Cre Quantitative PCR
Standard PCR: Generic Cre
Standard PCR: Generic Cre Melt Curve Analysis
Genotyping resources and troubleshooting
Dietary Information
LabDiet® 5K52 formulation (6% fat)
Breeding Considerations

When maintaining the live colony, homozygous mice may be bred together.

Additional Breeding and Husbandry Support
Mating System
Homozygote x Homozygote

Citation
When using the MMTV-Cre/Line D mouse strain in a publication, please cite the originating article(s) and include JAX stock #003553 in your Materials and Methods section.

Animal Health Reports
Facility Barrier Level Descriptions

AX11 (Maximum)

Pricing & Availability

Live mice available in varying quantities. Ask Customer Service for details.
# Related Products and Services

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<th>AGE</th>
<th>SEX</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<td>Homozygous for Tg(MMTV-cre)4Mam</td>
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# Related Products and Services

| Frozen Mouse Embryo | STOCK Tg(MMTV-cre)4Mam/J Frozen Embryos | $2595.00 |

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# Payment Terms and Conditions

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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# The Jackson Laboratory's Genotype Promise

The Jackson Laboratory has rigorous genetic quality control and mutant gene genotyping programs to ensure the genetic background of JAX® Mice strains as well as the genotypes of strains with identified molecular mutations. JAX® Mice strains are only made available to researchers after meeting our standards. However, the phenotype of each strain may not be fully characterized and/or captured in the strain data sheets. Therefore, we cannot guarantee a strain’s phenotype will meet all expectations. To ensure that JAX® Mice will meet the needs of individual research projects or when requesting a strain that is new to your research, we suggest ordering and performing tests on a small number of mice to determine suitability for your particular project. We do not guarantee breeding performance and therefore suggest that investigators order more than one breeding pair to avoid delays in their research.
Terms Of Use

TERMS OF USE
General Terms and Conditions

LICENSING INFORMATION
Phone: 207-288-6470
Email: TechTran@jax.org

Related Strains

All
By Allele
By Gene
By Collection