Also Known As: Albumin-Cre
Alb-cre mice are useful for deletion of loxP-flanked genes in the liver. Please note: this strain also is available on the 129 background (Stock No. 035593).

Donating Investigator
Mark A. Magnuson, Vanderbilt University School of Medicine

GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>N7+N3F2</td>
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<tr>
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<td>(2021-08-25 00:00:00)</td>
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</table>

Speer6-ps1Tg(Alb-cre)21Mgn

Allele Type
Transgenic (Recombinase-expressing)
These transgenic mice express Cre recombinase under the control of the mouse albumin enhancer/promoter. The transgene integrated into chromosome 13 causing a 4 bp deletion in Speer6-ps1 (spermatogenesis associated glutamate (E)-rich protein 6, pseudogene 1). Founder line 1 has a copy number of approximately 10. This strain may be maintained as a hemizygote or homozygote and lacks any phenotype related to the transgenic allele. It has been well characterized and shown to be very efficient for performing liver-specific gene knockouts using Cre/loxP system. This line has been shown to be nearly 100% efficient in achieving liver-specific recombination when crossed with at least five different floxed alleles.

View cre expression characterization.

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Details

Detailed Description

Development

Expression Data

Control Suggestions
Genotyping Protocols
Probe: Tg(Alb-cre)21Mgn-Chr13 Alternate2
QPCR: Generic Cre Quantitative PCR
Standard PCR: Tg(Alb-cre)21Mgn-Alternate 1

Genotyping resources and troubleshooting

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

Breeding Considerations
When maintaining a live colony, homozygous mice may be bred.

Additional Breeding and Husbandry Support
Mating System
Homozygote x Homozygote
Citation
When using the Albumin-Cre mouse strain in a publication, please cite the originating article(s) and include JAX stock #003574 in your Materials and Methods section.

Facility Health Reports
Facility Barrier Level Descriptions

AX11 (Maximum)

Pricing & Availability

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

Pricing effective for USA, Canada and Mexico shipping destinations

<table>
<thead>
<tr>
<th>AGE</th>
<th>SEX</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<tbody>
<tr>
<td>4 weeks</td>
<td>Female</td>
<td>Homozygous for Speer6-ps1  $\text{Tg(Ab-cre)21Mgn}$</td>
<td>$270.00</td>
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<tr>
<td></td>
<td>Male</td>
<td>Homozygous for Speer6-ps1  $\text{Tg(Ab-cre)21Mgn}$</td>
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<tr>
<td>5 weeks</td>
<td>Female</td>
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<td>Male</td>
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</tr>
</tbody>
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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.

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.