B6;129-Ltb^{tm1Flv}/J

Stock No: 003530 | LT KO

Targeted Mutation

CRYO RECOVERY

REQUEST CRYORECOVERY

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

Also Known As: LT KO

These Ltb knock-out mice exhibit a lack of Peyer’s patches, peripheral lymph nodes, splenic germinal centers and follicular dendritic cells. They are suitable for use in applications related to the study of adaptive immune responses.

Donating Investigator

Dr. Richard A. Flavell, Yale University School of Medicine

READ MORE +

GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tbody>
<tr>
<td>Ltb^{tm1Flv}</td>
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<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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<tbody>
<tr>
<td>Targeted (Null/Knockout)</td>
<td>Ltb</td>
<td>lymphotixin B</td>
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</table>

VIEW GENETICS

RESEARCH APPLICATIONS

Developmental Biology Research
Immunology, Inflammation and Autoimmunity Research
Internal/Organ Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE
Starting at:
Details

Detailed Description

The Ltb (lymphotoxin-beta) -deficient mice lack Peyer’s patches, peripheral lymph nodes, splenic germinal centers and follicular dendritic cells. Note that this strain does have cervical and mesenteric lymph nodes, unlike Lta deficient mice. Mesenteric lymph nodes of Ltb deficient mice contain germinal center-like regions, but these areas appear to lack follicular dendritic cells. Homozygotes are viable and fertile.

Development

Control Suggestions

Selected References

Genetics

Ltb$^{tm1Fiv}$

Disease/Phenotype

Disease Terms

Research Areas By Genotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

Genotyping Protocols

Standard PCR: Ltb$^{tm1Fiv}$

Genotyping resources and troubleshooting
Breeding Considerations
While maintaining a live colony, these mice are maintained by homozygote sibling matings.

Additional Breeding and Husbandry Support

Citation
When using the B6.129(Tcf-4<tm1Flv> mice strain in a publication, please cite the originating article(s) and include JAX stock #003530 in your Materials and Methods section.

Facility Barrier Level Descriptions
Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, G200

Pricing & Availability

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

<table>
<thead>
<tr>
<th>Domestic</th>
<th>International</th>
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</thead>
<tbody>
<tr>
<td>Cryorecovery - Domestic Pricing</td>
<td>GENOTYPE</td>
</tr>
<tr>
<td>Cryo Recovery</td>
<td>Heterozygous or wildtype for Ltb&lt;tm1Flv&gt;</td>
</tr>
</tbody>
</table>

We will fulfill your order by providing at least two carriers for each strain ordered. The total number, sex, and genotypes provided will vary, although typically 8 or more animals are provided. **Please check genotypes which will be recovered.** While the genotypes of all animals produced will be communicated to you prior to scheduling shipment, the genotypes of animals provided may not reflect the mating scheme and genotypes described in the strain description. **Animals are typically ready to ship in 11-14 weeks.** If a second recovery is required to produce the minimum number of animals, then delivery time would increase to approximately 25 weeks. If we fail to produce animals of the correct genotype, you will not be charged. We cannot guarantee the reproductive success of mice shipped to your facility. If the mice are lost after the first three days (post-arrival) or do not produce progeny at your facility, a new order and fee will be necessary.

Cryorecovery to establish a Dedicated Supply for greater quantities of mice. Mice recovered can be used to establish a dedicated colony to contractually supply you mice according to your requirements. Price by quotation.

Related Products and Services

| Frozen Mouse Embryo | $2,595.00 per straw or vial |

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
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Email: TechTran@jax.org

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Related Strains

All

By Allele

By Gene

By Collection

All Related Strains

Can't find the mouse model you need? BUILD IT WITH CRISPR