

B6.129P2-*Ltb/Tnf/Lta*^{tm1Dvk}/J

Stock No: **005108** | TNF/LTΔ3

 Congenic, Targeted Mutation

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

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defective antibody responses.

Donating Investigator

Sergei Nedospasov, NCI-FCRDC

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GENETIC OVERVIEW

Genetic Background

Generation

Ltb/Tnf/Lta^{tm1Dvk}

Alele Type

Targeted (Null/Knockout)

Gene Symbol

Lta

Gene Name

lymphotoxin A

Ltb/Tnf/Lta^{tm1Dvk}

Alele Type

Targeted (Null/Knockout)

Gene Symbol

Tnf

Gene Name

tumor necrosis factor

Ltb/Tnf/Lta^{tm1Dvk}

Alele Type

Targeted (Null/Knockout)

Gene Symbol

Ltb

Gene Name

lymphotoxin B

VIEW GENETICS

RESEARCH APPLICATIONS

V I E W A L L R E S E A R C H A P P L I C A T I O N S

BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

V I E W P R I C E L I S T

Details

Detailed Description

Mice that are homozygous for the targeted mutation are viable, fertile, normal in size and do not display any gross physical or behavioral abnormalities. No gene product (mRNA) from any of the three targeted genes is detected by RT-PCR analysis of concanavalin-A activated splenocytes. Leukocyte numbers in the spleen, blood and peritoneal cavity are increased 2 to 3 fold. Homozygous mice have abnormal lymphoid development and do not develop Peyer's patches or lymph nodes. Spleen microarchitecture is abnormal. No germinal center forms in the spleen following antigenic challenge. Mutant mice display defective antibody responses. This strain displays a phenotype more severe than the phenotypes exhibited by any of the single targeted mutation strains of the genes and may be useful in studies of peripheral lymphoid organ development, and antibody response to T cell dependent antigens.

Development

Control Suggestions

Selected References

Genetics

+ *Ltb/Tnf/Lta^{tm1Dvk}*

+ *Ltb/Tnf/Lta^{tm1Dvk}*

[+](#) *Ltb/Tnf/Lta*^{tm1Dvk}

[-](#) Disease/Phenotype

[+](#) Disease Terms

[+](#) Research Areas By Phenotype

[+](#) Mammalian Phenotype Terms by Genotype

[+](#) References

[-](#) Technical Support

C O N T A C T T E C H N I C A L S U P P O R T

Genotyping Protocols

Standard PCR:[Ltb/Tnf/Lta](#)

Standard PCR:[Ltb/Tnf/Lta](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

These mice are considered immunocompromised; SPF conditions are recommended.

[Additional Breeding and Husbandry Support](#)

Citation

When using the TNF/LTΔ3 mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #005108 in your Materials and Methods section.

Animal Health Reports

[Facility Barrier Level Descriptions](#)

Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, [G200](#)

➔ Pricing & Availability



Cryo
Recovery

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

Domestic | International

Pricing effective for USA, Canada and Mexico shipping destinations

CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
Cryo Recovery	Heterozygous for Ltb/Tnf/Lta<tm1Dvk>	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	B6.129P2-Ltb/Tnf/Lta<tm1Dvk>/J Frozen Embryos	\$2595.00
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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.

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Q U E S T I O N S A B O U T T E R M S O F U S E

LICENSING INFORMATION

Related Strains

- All
- By Allele
- By Gene
- By Collection




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