

B6.129S2-Ciita^{tm1Ccum} /J

Stock No: **003239** | CIITA-

 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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cells, or on peritoneal macrophages and somatic tissues stimulated by interferon. Therefore they have deficient T-dependent antigen responses and MHC class II-mediated allogeneic responses.

Donating Investigator

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

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GENETIC OVERVIEW

Genetic Background

Generation

Ciita^{tm1Ccum}

Allele Type

Targeted (Null/Knockout)

Gene Symbol

Ciita

Gene Name

class II transactivator

VIEW GENETICS

RESEARCH APPLICATIONS

Immunology, Inflammation and Autoimmunity Research

Research Tools

Internal/Organ Research

VIEW ALL RESEARCH APPLICATIONS

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 homozygous for the targeted mutation are viable and fertile when housed under specific pathogen-free conditions. Mice do not express conventional MHC class II molecules on the surface of splenic B cells and dendritic cells. In addition, interferon gamma stimulated peritoneal macrophages and somatic tissues from homozygous mutant mice do not express MHC class II molecules. The levels of invariant chain and $H2^m$ gene transcripts are substantially decreased in class II transactivator deficient mice. Homozygous mice have very few mature CD4 T cells in the periphery despite MHC class II expression in the thymus.

Control Suggestions

Selected References

Genetics

$Ciita^{tm1Ccum}$

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

- 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
Separated PCR:[Ciita Alternate1](#)
[Genotyping resources and troubleshooting](#)

Mating System
Homozygote x Homozygote

Citation
When using the CIITA- mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #003239 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



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Domestic | International

Pricing effective for USA, Canada and Mexico shipping destinations

CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
Cryo Recovery	Heterozygous for Ciita<tm1Ccum>	\$2,854.50

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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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LICENSING INFORMATION

Phone: 207-288-6470

Email: TechTran@jax.org

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All

By Allele

By Gene

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