

B6.129P2-*Tcrb*^{tm1Mom} *Tcrd*^{tm1Mom} /J

Stock No: **002122** | TCRbeta- Tcrdelta-

 Congenic, Targeted Mutation

Live mice available in varying quantities. Ask Customer Service for details.

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and maturation.

Donating Investigator

IMR Colony, The Jackson Laboratory

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GENETIC OVERVIEW

Genetic Background

000664 C57BL/6J

Generation

N12F61
(2021-03-31 00:00:00)

Tcrb^{tm1Mom}

Alele Type

Targeted (Null/Knockout)

Gene Symbol

Tcrb

Gene Name

T cell receptor beta chain

Tcrd^{tm1Mom}

Alele Type

Targeted (Null/Knockout)

Gene Symbol

Tcrd

Gene Name

T cell receptor delta chain

VIEW GENETICS

RESEARCH APPLICATIONS

Hematological Research

Immunology, Inflammation and Autoimmunity Research

Research Tools

BASE PRICE

Starting at:

\$236.78 Domestic price for female 4-week

VIEW PRICE LIST

Details

Detailed Description

Mice homozygous for both the *Tcrb*^{tm1Mom} and the *Tcrd*^{tm1Mom} targeted mutations express no alpha beta T-cell receptor nor any gamma delta T-cell receptor. Under certain housing conditions homozygous mutant mice develop mild inflammatory bowel disease.

Development

Control Suggestions

Selected References

Genetics

Tcrb^{tm1Mom}

Tcrd^{tm1Mom}

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

Separated PCR:[Tcrbalternate1](#)

Standard PCR:[Tcrbalternate1](#)

Standard PCR:[Generic Neo](#)

Standard PCR:[Tcrd](#)

[Genotyping resources and troubleshooting](#)

Dietary Information

LabDiet® 5K52 formulation (6% fat)

Breeding Considerations

When maintaining a live colony, mice homozygous for both targeted mutations may be bred together. The expected coat color from breeding is black.

[Additional Breeding and Husbandry Support](#)

Mating System

Homozygote x Homozygote

Appearance

black

Related Genotype: *a/a*

Citation

When using the TCRbeta- Tcrdelta- mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #002122 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.

Available

Domestic/International

Pricing effective for USA, Canada and Mexico shipping destinations

LIVE MOUSE			
AGE	SEX	GENOTYPE	PRICE
4 weeks	Female	Homozygous for Tcrb ^{tm1Mbm} , Homozygous for Tcrd ^{tm1Mbm}	\$236.78
	Male	Homozygous for Tcrb ^{tm1Mbm} , Homozygous for Tcrd ^{tm1Mbm}	\$236.78
5 weeks	Female	Homozygous for Tcrb ^{tm1Mbm} , Homozygous for Tcrd ^{tm1Mbm}	\$236.78
	Male	Homozygous for Tcrb ^{tm1Mbm} , Homozygous for Tcrd ^{tm1Mbm}	\$236.78
6 weeks	Female	Homozygous for Tcrb ^{tm1Mbm} , Homozygous for Tcrd ^{tm1Mbm}	\$236.78
	Male	Homozygous for Tcrb ^{tm1Mbm} , Homozygous for Tcrd ^{tm1Mbm}	\$236.78
7 weeks	Female	Homozygous for Tcrb ^{tm1Mbm} , Homozygous for Tcrd ^{tm1Mbm}	\$236.78
	Male	Homozygous for Tcrb ^{tm1Mbm} , Homozygous for Tcrd ^{tm1Mbm}	\$236.78
8 weeks	Female	Homozygous for Tcrb ^{tm1Mbm} , Homozygous for Tcrd ^{tm1Mbm}	\$236.78
	Male	Homozygous for Tcrb ^{tm1Mbm} , Homozygous for Tcrd ^{tm1Mbm}	\$236.78
9 weeks	Female	Homozygous for Tcrb ^{tm1Mbm} , Homozygous for Tcrd ^{tm1Mbm}	\$236.78
	Male	Homozygous for Tcrb ^{tm1Mbm} , Homozygous for Tcrd ^{tm1Mbm}	\$236.78
10 weeks	Female	Homozygous for Tcrb ^{tm1Mbm} , Homozygous for Tcrd ^{tm1Mbm}	\$236.78
	Male	Homozygous for Tcrb ^{tm1Mbm} , Homozygous for Tcrd ^{tm1Mbm}	\$236.78
11 weeks	Female	Homozygous for Tcrb ^{tm1Mbm} , Homozygous for Tcrd ^{tm1Mbm}	\$236.78
	Male	Homozygous for Tcrb ^{tm1Mbm} , Homozygous for Tcrd ^{tm1Mbm}	\$236.78
12 weeks	Female	Homozygous for Tcrb ^{tm1Mbm} , Homozygous for Tcrd ^{tm1Mbm}	\$236.78
	Male	Homozygous for Tcrb ^{tm1Mbm} , Homozygous for Tcrd ^{tm1Mbm}	\$236.78

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Terms Of Use

TERMS OF USE

[General Terms and Conditions](#)

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

ADDITIONAL USE RESTRICTIONS APPLY

Use of MICE by companies or for-profit entities requires a license prior to shipping.

LICENSING INFORMATION

Phone: 207-288-6470

Email: TechTran@jax.org

Related Strains

All

By Allele

By Gene

By Collection





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