



# C57BL/6<sup>tm1Mal</sup>/J

Stock No: 016941 | Tcrd-H2BEGFP

Coisogenic, Targeted Mutation



CRYO RECOVERY

PLACE ORDER

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

## Overview

### Also Known As: Tcrd-H2BEGFP

EGFP expression in these targeted reporter mice is seen in CD3 $\epsilon$ <sup>+</sup> TCR $\gamma\delta$ <sup>+</sup> intraepithelial lymphocytes in the small intestines, and TCR $\gamma\delta$  cells in the spleen and lymph nodes. These mice may be useful for visualizing and studying the development of adult thymic  $\gamma\delta$  T cells and the biology of peripheral  $\gamma\delta$  T cells.

### Donating Investigator

Bernard Malissen, Centre d'immunologie de Marseille Luminy

READ MORE +

## GENETIC OVERVIEW

Genetic Background

Generation

*Trdc<sup>tm1Mal</sup>*

Allele Type

Gene Symbol

Gene Name

Targeted (Reporter)

*Trdc*

T cell receptor delta, constant region

VIEW GENETICS

## RESEARCH APPLICATIONS

Research Tools

VIEW ALL RESEARCH APPLICATIONS

## BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

VIEW PRICE LIST

### Details

#### Detailed Description

*Tcrd-H2BEGFP* mutant mice contain an internal ribosome entry site (IRES), and a human histone H2B fused to an enhanced green fluorescent protein (EGFP) downstream of the internal stop codon of the T-cell receptor delta, constant region (*Trdc*) gene. Homozygotes are viable, fertile, and normal in size. EGFP expression is evident in all CD3 $\epsilon$ <sup>+</sup> TCR $\gamma\delta$ <sup>+</sup> intraepithelial lymphocytes (IELs) in the small intestines, and TCR $\gamma\delta$  cells in the spleen and lymph nodes. These mice may be useful for visualizing and studying the development of adult thymic  $\gamma\delta$  T cells and the biology of  $\gamma\delta$  T cells in the periphery.

The donating investigator reports that for visualizing  $\gamma\delta$  T cells in secondary lymphoid organs or other tissues containing a large excess of  $\alpha\beta$  T cells over  $\gamma\delta$  T cells, the use of F1 heterozygotes from *Tcrd-H2BEGFP* mice and B6.129S2-*Tcra<sup>tm1Mbm</sup>/J* (Stock No. [002116](#)) will genetically exclude highly fluorescent false-positive cells.

#### Development

#### Expression Data

+ Control Suggestions

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+ Selected References

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- Genetics

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+ *Trdc<sup>tm1Mal</sup>*

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- Disease/Phenotype

+ Disease Terms

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+ Research Areas By Genotype

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+ Mammalian Phenotype Terms by Genotype

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+ References

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- Technical Support

C H A T   O  F L I N E

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: *Trdc<sup>tm1Mal</sup>*

[Genotyping resources and troubleshooting](#)

## Breeding Considerations

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

[Additional Breeding and Husbandry Support](#)

## Citation

When using the *Trdc<sup>tm1Mal</sup>2BEGFP* mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #016941 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



Cryo Recovery

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

## Cryorecovery - Domestic Not-For-Profit & Academic Pricing

SERVICE	GENOTYPE	PRICE
Cryo Recovery	Heterozygous for Trdc<tm1Mal>	\$2,854.50

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	C57BL/6-Trdc<tm1Mal>/J Frozen Embryo	\$2595.00
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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.

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### 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

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[Strain\(s\) not available to companies or for-profit entities.](#)

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Phone: 207-288-6470

Email: [TechTran@jax.org](mailto:TechTran@jax.org)

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All

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