

## STOCK *Adam17<sup>tm1.2Bbl</sup>* /J

Stock No: **009597** | Tace<sup>flax</sup>

 Targeted Mutation

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

PLACE ORDER

[Email](#) [Download PDF](#) [Help](#)

These floxed mice harbor *loxP* sites flanking exon 2 of the TNF- $\alpha$  converting enzyme (TACE, also referred to as ADAM17 [a disintegrin and metallopeptidase domain 17]) locus. As the proinflammatory cytokine TNF- $\alpha$  and other other cell receptors are synthesized as membrane-bound precursors that need to be proteolytically released by functional TACE, these Tace<sup>flax</sup> mice may be useful in generating conditional mutations for studying TNF-sheddase function and TNF-related autoimmune diseases.

### Donating Investigator

Carl P Blobel, Hospital for Special Surgery-Weill Med

READ MORE +

## GENETIC OVERVIEW

Genetic Background

Generation

### *Adam17<sup>tm1.2Bbl</sup>*

**Alele Type**

Targeted (Conditional ready (e.g. floxed), No functional change)

**Gene Symbol**

*Adam17*

**Gene Name**

a disintegrin and metallopeptidase domain 17

VIEW GENETICS

## RESEARCH APPLICATIONS

Immunology, Inflammation and Autoimmunity Research

Cancer Research

Research Tools

Cell Biology Research

## BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

VIEW PRICE LIST

### Details

#### Detailed Description

Mice homozygous for this *Tace*<sup>flox</sup> allele are viable and fertile, with *loxP* sites flanking exon 2 of the targeted gene. When bred to mice that express Cre recombinase, the resulting offspring will have the floxed sequences deleted in the *cre*-expressing tissue producing a null allele.

As the proinflammatory cytokine TNF- $\alpha$  and other other cell receptors are synthesized as membrane-bound precursors that need to be proteolytically released by functional TNF- $\alpha$  converting enzyme (TACE or *Adam17* [a disintegrin and metallopeptidase domain 17]), these *Tace*<sup>flox</sup> mutant mice may be useful in generating conditional mutations for studying TNF-sheddase function, TNF-related autoimmune diseases.

#### Development

#### Control Suggestions

#### Selected References

### Genetics

#### *Adam17*<sup>tm1.2Bbl</sup>

### 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:[Adam17alternate1](#)

[Genotyping resources and troubleshooting](#)

### Mating System

Homozygote x Homozygote

### Citation

When using the Tace<sup>flox</sup> mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #009597 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 NOT-FOR-PROFIT & ACADEMIC PRICING

SERVICE/PRODUCT

DESCRIPTION

PRICE

Cryo Recovery	Homozygous for Adam17<tm1.2Bbl>, 1 pair minimum	\$2,854.50
---------------	---	------------

## RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	STOCK Adam17<tm1.2Bbl>/J Frozen Embryos	\$2595.00
---------------------	---	-----------

## 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 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.

## 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

**NOT AVAILABLE TO COMPANIES OR FOR COMMERCIAL**  
[Use of MICE only available to non-profit entities.](#)

### LICENSING INFORMATION

Phone: 207-288-6470  
 Email: [TechTran@jax.org](mailto:TechTran@jax.org)

## Related Strains

All

By Allele

By Gene

By Collection



## DO YOU NEED BALB/c MICE?

Rely on JAX to provide the models you need, when you need them.

LEARN MORE



CONTACT



DONATE



SUBSCRIBE

JAX HOME CAREERS LEGAL INFORMATION

RESEARCH CENTERS MOUSE GENOME INFORMATICS

MOUSE PHENOME DATABASE

*Leading the search for*

# TOMORROW'S CURES



©2021 THE JACKSON LABORATORY

Choose other country or region 

^ E E E D B

Did you find what you were looking for?

Yes  No