

C57BL/6-Tg(IgheIMD4)4Ccg/J

Stock No: 002595

 Transgenic

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

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Donating Investigator

Dr. Christopher Goodnow, Stanford University School of Medicine

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GENETIC OVERVIEW

Genetic Background

Generation

N?+N57

(2020-07-06 00:00:00)

Tg(IgheIMD4)4Ccg

Allele Type

Transgenic (Inserted expressed sequence)

VIEW GENETICS

RESEARCH APPLICATIONS

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$255.00 Domestic price for female

280.46 Domestic price for breeder pair

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

Details

Detailed Description

Cells from mice carrying the IgheIMD4 transgene recognize hen egg lysozyme. More than 90% of B-cells in the spleen are derived from the transgene (a allotype) and are predominantly IgM and IgD. This strain may be used to study B-cell selection. The donating investigator reports that the transgene integrated on chromosome 17 and that homozygotes breed poorly.

Development

Expression Data

Control Suggestions

Selected References

Genetics

Tg(IgheIMD4)4Ccg

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: [Tg\(IgheIMD4\)4Ccg Alternate 1](#)

[Genotyping resources and troubleshooting](#)

Dietary Information

LabDiet® 5K52 formulation (6% fat)

Breeding Considerations

When maintaining a live colony, hemizygous mice may be bred to wildtype siblings, or to C57BL/6J inbred mice (Stock No. 000664). The donating investigator reports that homozygotes breed poorly.

Additional Breeding and Husbandry Support

Mating System

Inbred x Hemizygote

Hemizygote x Inbred

Appearance

black

Related Genotype: *a/a*

Citation

When using the C57BL/6-Tg(IgheIMD4)4Ccg/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #002595 in your Materials and Methods section.

Animal Health Reports

[Facility Barrier Level Descriptions](#)

 [FGB29 \(Standard\)](#)

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
Approx 4-8 weeks	Female	Hemizygous for Tg(IgheIMD4)4Ccg	\$255.00
	Male	Hemizygous for Tg(IgheIMD4)4Ccg	\$255.00
Approx 4-8 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51

Breeder Pair		PRICE
SEX	GENOTYPE	
Female	Hemizygous for Tg(IghelMD4)4Ccg	\$280.46
Male	C57BL/6J (000664)	
Female	C57BL/6J (000664)	\$281.05
Male	Hemizygous for Tg(IghelMD4)4Ccg	

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Terms Of Use

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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

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