

B6;129S-Fcgr2b^{tm1Tk}/J

Stock No: **002848** | FcγRIIb -

 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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thymus-independent antigens. Mice are sensitive to IgG-triggered degranulation and have an enhanced passive cutaneous anaphylaxis reaction. These mice may be useful for studies of allergic and autoimmune disorders, including systemic lupus erythematosus (SLE).

Donating Investigator

Dr. Jeffrey V. Ravetch, Memorial Sloan Kettering Cancer Center

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GENETIC OVERVIEW

Genetic Background

Generation

Fcgr2b^{tm1Tk}

Alele Type

Gene Symbol

Gene Name

Targeted (Null/Knockout)

Fcgr2b

Fc receptor, IgG, low affinity IIb

VIEW GENETICS

RESEARCH APPLICATIONS

Immunology, Inflammation and Autoimmunity 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 *Fcgr2*^{tm1Ttk} targeted mutation are viable and fertile. Myeloid and lymphoid development is normal. Immunoglobulin levels are elevated in response to thymus-dependent and thymus-independent antigens. Mice are sensitive to IgG-triggered degranulation and have an enhanced passive cutaneous anaphylaxis reaction.

Development

Control Suggestions

Selected References

Genetics

Fcgr2^{tm1Ttk}

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:[Fcgr2balternate1](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

The expected coat color from breeding is Agouti and Black.

[Additional Breeding and Husbandry Support](#)

Mating System

Homozygote x Homozygote

Appearance

black

Related Genotype: *a/a*

Citation

When using the FcgyR11b - mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #002848 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 PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
Cryo Recovery	Heterozygous for Fcgr2b<tm1Ttk>	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	B6;129S-Fcgr2b<tm1Ttk>/J Frozen Embryos	\$2595.00
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LICENSING INFORMATION

Phone: 207-288-6470

Email: TechTran@jax.org

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