

B6.129S1-*Irf4*^{tm1Rdf}/J
Stock No: **009380** | *Irf4*^h

 Congenic, Targeted Mutation

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

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for studying plasma cell development, immunoglobulin class switch recombination and autoimmune lymphoproliferative disease. Cre-mediated recombination also results in expression of GFP (Green Fluorescent Protein) which can be used to trace *Irf4* ablation.

Donating Investigator

Ulf Klein, University of Leeds

READ MORE +

GENETIC OVERVIEW

Genetic Background

Generation

N9+N3F3
(2020-04-27 00:00:00)

Irf4^{tm1Rdf}

Alele Type

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

Gene Symbol

Irf4

Gene Name

interferon regulatory factor 4

VIEW GENETICS

RESEARCH APPLICATIONS

Research Tools

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$255.00 Domestic price for female 4-week

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

– Details

– Detailed Description

These mice possess *loxP* sites on either side of exons 1 and 2 of the targeted gene. Mice that are homozygous for this allele are viable, fertile, normal in size and do not display any gross physical or behavioral abnormalities. When these mutant mice are bred to mice that express Cre recombinase, resulting offspring will have exons 1 and 2 deleted and GFP expression in the *cre*-expressing tissue(s). When crossed to mice that express Flp recombinase, the entire targeting construct, including exons 1 and 2, are deleted in the *FLP* expressing tissues.

When bred to a strain expressing Cre recombinase in B lymphocytes (see Stock No. [006785](#) for example), this mutant mouse strain may be useful in studies of plasma cell development and immunoglobulin class switch recombination.

When bred to a strain expressing Cre recombinase in T regulatory cells, this mutant mouse strain may be useful in studies of autoimmune lymphoproliferative disease.

+ Development

+ Expression Data

+ Control Suggestions

+ Selected References

– Genetics

+ *Irf4^{tm1Rdf}*

⊖ 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:[Irf4 Alternate4](#)

[Genotyping resources and troubleshooting](#)

Dietary Information

LabDiet® 5K52 formulation (6% fat)

Breeding Considerations

When maintaining a live colony, these mice can be bred as homozygotes.

[Additional Breeding and Husbandry Support](#)

Mating System

Homozygote x Homozygote

Citation

When using the Irf4^{fl} mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #009380 in your Materials and Methods section.

Animal Health Reports

[Facility Barrier Level Descriptions](#)

 [AX10 \(Standard\)](#)

⊖ 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
4 weeks	Female	Homozygous for $Irf4^{tm1Rdf}$	\$255.00
	Male	Homozygous for $Irf4^{tm1Rdf}$	\$255.00
5 weeks	Female	Homozygous for $Irf4^{tm1Rdf}$	\$255.00
	Male	Homozygous for $Irf4^{tm1Rdf}$	\$255.00
6 weeks	Female	Homozygous for $Irf4^{tm1Rdf}$	\$255.00
	Male	Homozygous for $Irf4^{tm1Rdf}$	\$255.00
7 weeks	Female	Homozygous for $Irf4^{tm1Rdf}$	\$255.00
	Male	Homozygous for $Irf4^{tm1Rdf}$	\$255.00
8 weeks	Female	Homozygous for $Irf4^{tm1Rdf}$	\$255.00
	Male	Homozygous for $Irf4^{tm1Rdf}$	\$255.00
9 weeks	Female	Homozygous for $Irf4^{tm1Rdf}$	\$255.00
	Male	Homozygous for $Irf4^{tm1Rdf}$	\$255.00
10 weeks	Female	Homozygous for $Irf4^{tm1Rdf}$	\$255.00
	Male	Homozygous for $Irf4^{tm1Rdf}$	\$255.00
11 weeks	Female	Homozygous for $Irf4^{tm1Rdf}$	\$255.00
	Male	Homozygous for $Irf4^{tm1Rdf}$	\$255.00
12 weeks	Female	Homozygous for $Irf4^{tm1Rdf}$	\$255.00
	Male	Homozygous for $Irf4^{tm1Rdf}$	\$255.00

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	B6.129S1-Irf4<tm1Rdf>/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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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.

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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

LICENSING INFORMATION

Phone: 207-288-6470

Email: TechTran@jax.org

Related Strains

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By Allele

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