

B6.Cg-Tg(*Itgax-cre*)1-1Reiz/J

Stock No: 008068 | Cd11c-Cre

 Congenic, Transgenic

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

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gene (*Itgax* or Cd11c) promoter/enhancer regions within the BAC transgene. These Cd11c-Cre transgenic mice are a Cre-lox tool for deletion of floxed sequences in CD8⁻, CD8⁺ dendritic cells, tissue-derived dendritic cells from lymph nodes, lung and epidermis, as well as plasmacytoid dendritic cells. This strain may be useful for studying dendritic cell homeostasis and function.

Donating Investigator

Boris Reizis, Columbia University Medical Center

READ MORE +

GENETIC OVERVIEW

Genetic Background

Generation

N12+N6F3
(2021-04-06 00:00:00)

Tg(*Itgax-cre*)1-1Reiz

Alele Type

Transgenic (Recombinase-expressing)

VIEW GENETICS

RESEARCH APPLICATIONS

Developmental Biology Research

Research Tools

Hematological Research

Immunology, Inflammation and Autoimmunity Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$255.00 Domestic price for female 4-week

333.51 Domestic price for breeder pair

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

Details

Detailed Description

Mice hemizygous for the *Itgax-cre* (Cd11c-Cre) transgene are viable, fertile, normal in size and do not display any gross physical or behavioral abnormalities. These Cd11c-Cre transgenic mice express Cre recombinase under the control of the mouse integrin alpha X (Cd11c) promoter. Cre-mediated recombination is detected in more than 95% of conventional CD11c^{high} dendritic cells both from lymphoid organs and from non-lymphoid tissues such as lung and epidermis, and in 50-80% of plasmacytoid dendritic cells. The dendritic cell compartment of transgenic mice is normal. Relatively low amounts of recombination are detected in lymphocytes (<10%), NK cells (12%), and myeloid cells (<1%). No increase of recombination frequency was observed in CD11c^{low}-activated T cells. These Cd11c-cre transgenic mice (as well as CD11c-Cre-GFP transgenic mice (see Stock No. [007567](#))) are an effective tool for generating tissue-specific targeted mutants for studying dendritic cell homeostasis and function.

[View cre expression characterization.](#)

Development

Expression Data

Control Suggestions

Selected References

Genetics

Tg(*Itgax-cre*)1-1Reiz

⊖ 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\(Itgax-cre\)](#)

Standard PCR:[Tg\(Itgax-cre\)1-1Reiz](#)

Probe:[Tg\(Itgax-cre\)1-1Reiz Probe](#)

[Genotyping resources and troubleshooting](#)

Dietary Information

LabDiet® 5K52 formulation (6% fat)

Breeding Considerations

When maintaining a live colony, these mice can be bred as hemizygotes. The Donating Investigator has not attempted to make this strain homozygous.

[Additional Breeding and Husbandry Support](#)

Mating System

Noncarrier x Hemizygote

Hemizygote x Noncarrier

Citation

When using the Cd11c-Cre mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #008068 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 Internatic

Pricing effective for USA, Canada and Mexico shipping destinations

LIVE MOUSE			
AGE	SEX	GENOTYPE	PRICE
4 weeks	Female	Hemizygous for Tg(ltgax-cre)1-1Reiz	\$255.00
	Male	Hemizygous for Tg(ltgax-cre)1-1Reiz	\$255.00
4 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
5 weeks	Female	Hemizygous for Tg(ltgax-cre)1-1Reiz	\$255.00
	Male	Hemizygous for Tg(ltgax-cre)1-1Reiz	\$255.00
5 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
6 weeks	Female	Hemizygous for Tg(ltgax-cre)1-1Reiz	\$255.00
	Male	Hemizygous for Tg(ltgax-cre)1-1Reiz	\$255.00
6 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
7 weeks	Female	Hemizygous for Tg(ltgax-cre)1-1Reiz	\$255.00
	Male	Hemizygous for Tg(ltgax-cre)1-1Reiz	\$255.00
7 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
8 weeks	Female	Hemizygous for Tg(ltgax-cre)1-1Reiz	\$255.00
	Male	Hemizygous for Tg(ltgax-cre)1-1Reiz	\$255.00
8 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
9 weeks	Female	Hemizygous for Tg(ltgax-cre)1-1Reiz	\$255.00
	Male	Hemizygous for Tg(ltgax-cre)1-1Reiz	\$255.00
9 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
10 weeks	Female	Hemizygous for Tg(ltgax-cre)1-1Reiz	\$255.00
	Male	Hemizygous for Tg(ltgax-cre)1-1Reiz	\$255.00
10 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51

11 weeks	SEX	Hemizygous for Tg(Itgax-cre)1-1Reiz	\$255.00
	Male	Hemizygous for Tg(Itgax-cre)1-1Reiz	\$255.00
11 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
12 weeks	Female	Hemizygous for Tg(Itgax-cre)1-1Reiz	\$255.00
	Male	Hemizygous for Tg(Itgax-cre)1-1Reiz	\$255.00
12 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51

BREEDER PAIR			
SEX	GENOTYPE		PRICE
Female	Hemizygous for Tg(Itgax-cre)1-1Reiz		\$333.51
Male	Noncarrier		
Female	Noncarrier		\$333.51
Male	Hemizygous for Tg(Itgax-cre)1-1Reiz		

RELATED PRODUCTS AND SERVICES		
Frozen Mouse Embryo	B6.Cg-Tg(Itgax-cre)1-1Reiz/J Frozen Embryo	\$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.

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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

ADDITIONAL USE RESTRICTIONS APPLY

Use of MICE by companies or for-profit entities requires a license prior to shipping.

LICENSING INFORMATION

Phone: 207-288-6470

Email: TechTran@jax.org

Related Strains

All

By Allele

By Gene

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