

B6N.Cg-Tg(*Itgax-cre*)1-1Reiz/J

Stock No: **018967** | Cd11c-Cre

 Congenic, Transgenic

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

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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.

READ MORE +

GENETIC OVERVIEW

Genetic Background

Generation

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

Alele Type

Transgenic (Recombinase-expressing)

VIEW GENETICS

RESEARCH APPLICATIONS

Immunology, Inflammation and Autoimmunity Research

Hematological Research

Developmental Biology Research

Research Tools

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

To be more suitable for use with C57BL/6N-congenic Knockout Mouse Project (KOMP) strains with floxed alleles, The Jackson Laboratory Repository chose several Cre recombinase-expressing strains and backcrossed them onto the C57BL/6N genetic background using a marker-assisted, speed-congenic approach. This approach employed 148 single nucleotide polymorphism (SNP) markers that differ between the C57BL/6N and C57BL/6J substrains, covering all 19 chromosomes and the X chromosome. This analysis determined that the colony has at least 145/148 SNP markers (98%) as C57BL/6N allele-type.

It should be noted that the phenotype of these C57BL/6NJ-congenic Itgax-cre (Cd11c-Cre) BAC transgenic mice (Stock No. 018967) could vary from that of the parental line [originally described on a different genetic background](#). We may modify the C57BL/6NJ-congenic strain description if necessary as published results become available.

Development

Expression Data

Control Suggestions

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](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

Mice were bred to C57BL/6NJ inbred mice (Stock No. [005304](#)) for many generations using a marker-assisted, speed congenic approach to generate this C57BL/6NJ-congenic strain. When maintaining the live congenic colony, hemizygous mice may be bred with wildtype (noncarrier) mice from the colony or with C57BL/6NJ inbred mice.

[Additional Breeding and Husbandry Support](#)

Citation

When using the Cd11c-Cre mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #018967 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	Hemizygous or Non carrier for Tg(Itgax-cre) ¹ -1Reiz	\$2,854.50

RELATED PRODUCTS AND SERVICES		
Frozen Mouse Embryo	B6N.Cg-Tg(Itgax-cre) ¹ -1Reiz/J	\$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.

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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

By Collection



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