



# C . 1 2 9 6 4 <sup>m10<sup>ge</sup></sup> / B a o l u J

Stock No: 033905 | Ccr10-

Congenic, Targeted Mutation



AVAILABLE

PLACE ORDER

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

## Overview

### Also Known As: Ccr10-

*Ccr10*<sup>-</sup> knock-in/knock-out mice have an EGFP-neo cassette inserted into a mutated ATG site, abolishing endogenous gene expression. These mice may be useful for studying inflammation and lymphocyte homing.

### Donating Investigator

Bao Lu, Children's Hospital Harvard Med School

READ MORE +

## GENETIC OVERVIEW

Genetic Background      Generation  
N14+pN1  
(2019-10-24 00:00:00)

*Ccr10<sup>tm1Cge</sup>*

Allele Type	Gene Symbol	Gene Name
Targeted (Null/Knockout)	<i>Ccr10</i>	chemokine (C-C motif) receptor 10

[VIEW GENETICS](#)

## RESEARCH APPLICATIONS

Immunology, Inflammation and Autoimmunity Research  
Research Tools

[VIEW ALL RESEARCH APPLICATIONS](#)

## BASE PRICE

Starting at:

\$255.00 Domestic price for female 4-week

[VIEW PRICE LIST](#)

### Details

#### Detailed Description

*Ccr10*<sup>-</sup> knock-in/knock-out mice have an EGFP-neo cassette inserted into a mutated ATG site, abolishing endogenous gene expression. CCR10 encodes a chemokine receptor present on epidermal CD4 T cells that interacts with the ligand CCL27, which is highly expressed in the epidermis. This interaction is involved in T cell-mediated skin inflammation and lymphocyte homing.

These mice have a reduction of CD8+ T cells in the skin. EGFP can be detected by flow, and co-expresses with IgA antibody secreting cells. EGFP expression on other leukocyte subsets, such as neutrophils from the blood and spleen, which have not been shown to express CCR10, shows that this EGFP may be “leaky”.

#### Development

#### Control Suggestions

#### Selected References

## Genetics

[+ Ccr10<sup>tm1Cge</sup>](#)

## Disease/Phenotype

[+ Disease Terms](#)

[+ Research Areas By Genotype](#)

[+ Mammalian Phenotype Terms by Genotype](#)

[+ References](#)

## Technical Support

TECHNICAL SUPPORT CHAT

CONTACT TECHNICAL SUPPORT

### Genotyping Protocols

Separated PCR: [Ccr10<sup>tm1Cge</sup>](#)

[Genotyping resources and troubleshooting](#)

### Breeding Considerations

When maintaining a live colony, homozygous mice may be bred together.

[Additional Breeding and Husbandry Support](#)

### Mating System

Heterozygote x Heterozygote

### Citation

When using the [Ccr10](#) mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #033905 in your

[Materials and Methods section](#)  
[Facility Barrier Level Descriptions](#)

 [AX18 \(Maximum\)](#)

## 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 Ccr10 <sup>tm1Cge</sup>	\$255.00
	Male	Homozygous for Ccr10 <sup>tm1Cge</sup>	\$255.00
5 weeks	Female	Homozygous for Ccr10 <sup>tm1Cge</sup>	\$255.00
	Male	Homozygous for Ccr10 <sup>tm1Cge</sup>	\$255.00
6 weeks	Female	Homozygous for Ccr10 <sup>tm1Cge</sup>	\$255.00
	Male	Homozygous for Ccr10 <sup>tm1Cge</sup>	\$255.00
7 weeks	Female	Homozygous for Ccr10 <sup>tm1Cge</sup>	\$255.00
	Male	Homozygous for Ccr10 <sup>tm1Cge</sup>	\$255.00
8 weeks	Female	Homozygous for Ccr10 <sup>tm1Cge</sup>	\$255.00
	Male	Homozygous for Ccr10 <sup>tm1Cge</sup>	\$255.00
9 weeks	Female	Homozygous for Ccr10 <sup>tm1Cge</sup>	\$255.00
	Male	Homozygous for Ccr10 <sup>tm1Cge</sup>	\$255.00
10 weeks	Female	Homozygous for Ccr10 <sup>tm1Cge</sup>	\$255.00
	Male	Homozygous for Ccr10 <sup>tm1Cge</sup>	\$255.00
11 weeks	Female	Homozygous for Ccr10 <sup>tm1Cge</sup>	\$255.00
	Male	Homozygous for Ccr10 <sup>tm1Cge</sup>	\$255.00
12 weeks	Female	Homozygous for Ccr10 <sup>tm1Cge</sup>	\$255.00
	Male	Homozygous for Ccr10 <sup>tm1Cge</sup>	\$255.00

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### Terms of Use

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