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Stock No: 002694 | II-12p40 KO

Congenic, Targeted Mutation



CRYORECOVERY

P L A C E O R D E R

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

Overview

Also Known As: II-12p40 KO

These *Il12b* knock-out mice exhibit a restricted ability to mount a T-helper 1 cell (TH1) response to *in vivo* endotoxin administration.

Donating Investigator

Dr. Jeanne Magram, Boehringer Ingelheim Pharmaceuticals, Inc

R E A D M O R E +

GENETIC OVERVIEW

Genetic Background

Generation

Il12b^{tm1Jm}

Allele Type

Gene Symbol

Gene Name

Targeted (Null/Knockout)

Il12b

interleukin 12b

V I E W G E N E T I C S

RESEARCH APPLICATIONS

Cancer Research

Immunology, Inflammation and Autoimmunity Research

V I E W A L L R E S E A R C H A P P L I C A T I O N S

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 *Il12b^{tm1Jm}* targeted mutation have a severely restricted ability to mount a TH1 response to *in vivo* endotoxin administration as evidenced by decreased interferon-gamma production although IL2 (IL-2) production is not compromised. The TH2 response is enhanced as evidenced by increased secretion of IL4 (IL-4). Delayed type hypersensitivity (DTH) responses are reduced. Also see the *Il12a*-deficient strains (Stock No. [002691](#) & [002692](#)).

Development

Control Suggestions

Selected References

Genetics

+ [I12b^{tm1Jm}](#)

- Disease/Phenotype

+ Disease Terms

+ Research Areas By Genotype

+ Mammalian Phenotype Terms by Genotype

+ References

- Technical Support

T E C H N I C A L S P P O R T C H A T

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

Separated PCR:[I12b^{tm1Jm}](#)

Separated PCR:[I12b^{tm1Jm}](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

This strain is maintained by homozygous sibling matings. Expected coat color from breeding:Albino

[Additional Breeding and Husbandry Support](#)

Appearance

albino

Related Genotype: *A/A Tyrp1^b/Tyrp1^b Tyr^c/Tyr^c*

Citation

When using the I12b^{tm1Jm} KO mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #002694 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

GENOTYPE

PRICE

We will fulfill your order by providing at least two carriers for each strain ordered. The total number, sex, and genotypes provided will vary, although typically 8 or more animals are provided. Please check genotypes which will be recovered. While the genotypes of all animals produced will be communicated to you prior to scheduling shipment, the genotypes of animals provided may not reflect the mating scheme and genotypes described in the strain description. Animals are typically ready to ship in 11-14 weeks. If a second recovery is required to produce the minimum number of animals, then delivery time would increase to approximately 25 weeks. If we fail to produce animals of the correct genotype, you will not be charged. We cannot guarantee the reproductive success of mice shipped to your facility. If the mice are lost after the first three days (post-arrival) or do not produce progeny at your facility, a new order and fee will be necessary.

Cryorecovery to establish a [Dedicated Supply](#) for greater quantities of mice. Mice recovered can be used to establish a dedicated colony to contractually supply you mice according to your requirements. Price by quotation.

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

Terms of Use

[General Terms and Conditions](#)

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

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