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Stock No: 002692 | II12a KO

Congenic, Targeted Mutation



AVAILABLE

P L A C E O R D E R

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

Overview

Also Known As: II12a KO

These knock-out mice fail to show any delayed-type hypersensitivity (DTH) reaction, and may be useful in studying resistance to infection.

Donating Investigator

Dr. Jeanne Magram, Boehringer Ingelheim Pharmaceuticals, Inc

R E A D M O R E +

GENETIC OVERVIEW

Genetic Background Generation
N12F3
(2019-06-17 00:00:00)

Il12a^{tm1Jm}

Allele Type	Gene Symbol	Gene Name
Targeted (Null/Knockout)	<i>Il12a</i>	interleukin 12a

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:

\$236.78 Domestic price for female

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

⊖ Details

⊖ Detailed Description

Mice homozygous for the *Il12a^{tm1Jm}* targeted mutation on a normally resistant 129/Sv genetic background are unable to restrict the progression of *Leishmania major* infection, demonstrating the importance of this cytokine for developing such resistance. Homozygotes are unable to mount a delayed-type hypersensitivity (DTH) reaction but a TH2 response is induced. Also known as p35. Please refer to the *Il12b*-deficient related targeted mutations (Stock No. [002693](#) and [002694](#)).

In an attempt to offer alleles on well-characterized or multiple genetic backgrounds, alleles are frequently moved to a genetic background different from that on which an allele was first characterized. This is the case for the strain above. It should be noted that the phenotype could vary from that originally described. We will modify the strain description if necessary as published results become available.

+ Development

+ Control Suggestions

+ Selected References

⊖ Genetics

[+ Il12a^{tm1Jm}](#)

[- Disease/Phenotype](#)

[+ Disease Terms](#)

[+ Research Areas By Genotype](#)

[+ Mammalian Phenotype Terms by Genotype](#)

[+ References](#)

[- Technical Support](#)

C H A T O  F L I N E

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:[Il12a^{tm1Jm}](#)

Standard PCR:[Il12a^{tm1Jm}](#)

Separated PCR:[Il12a^{tm1Jm}](#)

[Genotyping resources and troubleshooting](#)

Dietary Information

LabDiet® 5K52 formulation (6% fat)

Breeding Considerations

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

[Additional Breeding and Husbandry Support](#)

Mating System

Homozygote x Homozygote

Appearance

black

Related Genotype: *a/a*

Citation

When using the Il12a^{tm1Jm} mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #002692 in your

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

 [AX11 \(Maximum\)](#)

[- Pricing & Availability](#)



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Available

Domestic | **International**

Pricing effective for USA, Canada and Mexico shipping destinations

Live Mouse			
AGE	SEX	GENOTYPE	PRICE
Approx 4-8 weeks	Female	Homozygous for Il12a ^{tm1Jm}	\$236.78
	Male	Homozygous for Il12a ^{tm1Jm}	\$236.78

Related Products and Services		
Frozen Mouse Embryo	B6.129S1-Il12a<tm1Jm>/J Frozen Embryos	\$2595.00

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