

BALB/c-*Il4*^{tm2Nnt}/J

Stock No: **002496** | IL-4-

 Targeted Mutation

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

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GENETIC OVERVIEW

Genetic Background Generation

Il4^{tm2Nnt}

Alele Type	Gene Symbol	Gene Name
Targeted (Null/Knockout)	<i>Il4</i>	interleukin 4

VIEW GENETICS

RESEARCH APPLICATIONS

Cancer Research
Immunology, Inflammation and Autoimmunity Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

Details

Detailed Description

Mice homozygous for the $Il4^{tm2Nnt}$ targeted mutation are viable and fertile. T and B cell development is normal but IgG1 and IgE levels and the ability of homozygous mutant mice to produce Th2-derived cytokines are significantly reduced. Susceptible to infection by *Leishmania major* despite deficiency in IL4.

Development

Control Suggestions

Selected References

Genetics

$Il4^{tm2Nnt}$

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

Genotyping Protocols

Standard PCR:[IL4](#)

Separated PCR:[IL4](#)

Separated PCR:[IL4](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

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

[Additional Breeding and Husbandry Support](#)

Appearance

albino

Related Genotype: A/A $Typr1^b/Typr1^b$ Tyr^c/Tyr^c

Citation

When using the IL-4- mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #002496 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	Heterozygous for IL4<tm2Nnt>	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	BALB/c-IL4<tm2Nnt>/J Frozen Embryos	\$2595.00
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LICENSING INFORMATION

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By Allele

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