

C3.129P2(B6)-*Il2*^{tm1Hor}/J

Stock No: 002228 | IL-2

 Congenic, 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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Donating Investigator

Dr. Ivan Horak, Forschungs institut fur Molekulare

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GENETIC OVERVIEW

Genetic Background

000659 C3H/HeJ

Generation

Il2^{tm1Hor}

Alele Type

Targeted (Null/Knockout)

Gene Symbol

Il2

Gene Name

interleukin 2

VIEW GENETICS

RESEARCH APPLICATIONS

Immunology, Inflammation and Autoimmunity Research

Cancer Research

Hematological Research

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

Homozygous mutant mice for the $Il2^{tm1Hor}$ targeted mutation show no apparent deficit in thymocyte differentiation or selection, types and numbers of T cells from spleens and lymph nodes are comparable to those of wildtype. They do have an impaired response to polyclonal T cell activators in the absence of additional IL2, deficits in their helper function and a reduction in natural killer cell activity. There is significant pre-weaning and post-weaning loss of homozygotes on the BALB/c, C3H/HeJCrIBR and C57BL/6J genetic backgrounds. In addition, homozygous mice develop inflammatory bowel disease between 6 and 15 weeks of age and reportedly die within 10-25 weeks under conventional housing conditions. Homozygotes on the C57BL/6J genetic background show an atrophied pancreas with apparently intact islets. Homozygotes on the BALB/c genetic background do not develop inflammatory bowel disease symptoms but rather die 3-5 weeks postnatally of a form of hemolytic anemia. For a more detailed description please refer to the JAX Notes Fall 1996 article.

Control Suggestions

Selected References

Genetics

$Il2^{tm1Hor}$

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

Standard PCR:[IL2](#)

Separated PCR:[IL2](#)

Separated MCA:[IL2](#)

Standard PCR:[IL2](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, heterozygous mice may be bred to wildtype siblings, or to C3H/HeJ inbred mice (Stock No. [000659](#)).

[Additional Breeding and Husbandry Support](#)

Appearance

agouti

Related Genotype: *A/A*

Citation

When using the IL-2⁻ mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #002228 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 or Wild-type for IL2 ^{tm1Hor}	\$2,854.50

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By Allele

By Gene

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