

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

Stock No: 002229 | 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

READ MORE +

GENETIC OVERVIEW

Genetic Background

Generation

Il2^{tm1Hor}

Alele Type

Gene Symbol

Gene Name

Targeted (Null/Knockout)

Il2

interleukin 2

VIEW GENETICS

RESEARCH APPLICATIONS

Cancer Research

Hematological Research

Immunology, Inflammation and Autoimmunity 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 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.

+ Development

+ Control Suggestions

+ Selected References

- Genetics

+ $Il2^{tm1Hor}$

- Disease/Phenotype

+ Disease Terms

+ Research Areas By Phenotype

+ Mammalian Phenotype Terms by Genotype

- Technical Support

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

Standard PCR:[I|2](#)

Separated PCR:[I|2](#)

Separated MCA:[I|2](#)

Standard PCR:[I|2](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, heterozygous mice may be bred to wildtype mice from the colony or to BALB/cJ inbred mice (Stock No. [000651](#)). Homozygous mice die by 3-5 weeks of age due to hemolytic anemia.

[Additional Breeding and Husbandry Support](#)

Appearance

albino

Related Genotype: $A/A \text{ Tyrp}1^b / \text{Tyrp}1^b \text{ Tyr}^c / \text{Tyr}^c$

Citation

When using the IL-2⁻ mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #002229 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 wildtype for I 2<tm1Hor>	\$2,854.50

Payment Terms and Conditions

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[General Terms and Conditions](#)

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Licensing Information

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Related Strains

All

By Allele

By Gene

By Collection

All Related Strains





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