Overview

Also Known As: IL-5-
These IL5 knock-out mice exhibit lack of eosinophilia response to infection and impaired CD5⁺ B-1 cell development.

Donating Investigator
Dr. Manfred Kopf, ETH Zurich
GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
</tr>
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<tbody>
<tr>
<td>Targeted (Null/Knockout)</td>
<td>Il5</td>
<td>interleukin 5</td>
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RESEARCH APPLICATIONS
Cancer Research
Immunology, Inflammation and Autoimmunity Research

BASE PRICE
Starting at:
$2,854.50 Domestic price Cryo Recovery

Details
Detailed Description
Mice homozygous for the $\text{Il5}^{tm1Kopf}$ targeted mutation are viable and fertile. Surprisingly, IL5 deficient mice show no defects in conventional B (B-2) cells, T cell dependent antibody production, or cytotoxic T cell responses. Eosinophilia response to infection is lacking in homozygous mutant mice. They also exhibit impaired CD5^+ B-1 cell development.

Development
Control Suggestions
Selected References
Genetics

Genetics

Il5^{tm1Kopf}
Breeding Considerations
The strain is maintained by breeding homozygous mutants. The expected coat color from breeding is black.

Additional Breeding and Husbandry Support

Appearance
black

Related Genotype: a/a

Citation
When using the IL-5 mouse strain in a publication, please cite the originating article(s) and include JAX stock #003175 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

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

<table>
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<tr>
<th>SERVICE</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Heterozygous or wildtype for Il5&lt;tm1Kopf&gt;</td>
<td>$2,854.50</td>
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</table>

We will fulfill your order by providing at least two carriers for each strain ordered. The total number, sex, and genotypes provided will
Frozen Mouse Embryo

C57BL/6-Il5<tm1Kopf>/J Frozen Embryos

$2595.00

Terms of Use

Notice regarding distribution of this strain.

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Phone: 207-288-6470
Email: TechTran@jax.org

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Related Strains

- All
- By Allele
- By Gene
- By Collection

All Related Strains