C.B6-Tg(H2-IL6)1Kish/J

Stock No: 008372

Congenic, Transgenic

CRYO RECOVERY

PLACE ORDER

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

Overview

Also Known As: C.H2-Ld-hu-IL6 (Ki/Pt), C.H2-Ld-hu-IL-6

These transgenic mice express the human interleukin 6 (IL6) gene under the direction of the mouse histocompatibility 2, D region (H-2L^D) promoter. Homozygotes begin to develop up to 10-fold enlarged lymph nodes (due to plasma cell accumulation), splenomegaly, glomerulonephritis, and plasma cell tumors as early as 3 months of age.

Donating Investigator
GENETIC OVERVIEW

Tg(H2-L-IL6)1Kish

Allele Type
Transgenic (Inserted expressed sequence, Humanized sequence)

RESEARCH APPLICATIONS
Cancer Research

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

Details

Detailed Description
These transgenic mice express the human interleukin 6 (IL6) gene under the direction of the mouse histocompatibility 2, D region (H-2Ld) promoter. The transgenic insert is located on Chromosome 9. Human IL6 protein is detected in serum by ELISA and mRNA is detected in the spleen, lymph nodes, thymus, heart, lung, liver, kidney, and intestine, but not in brain tissue. As early as three to four months of age, transgenic mice develop up to 10-fold enlarged lymph nodes (due to plasma cell accumulation), plasma cell tumors, splenomegaly, and glomerulonephritis. Although homozygotes for this transgenic insert are viable and fertile, due to the early onset of plasma cell tumors, this strain is maintained as a hemizygote.

Development

Expression Data

Control Suggestions
Genotyping Protocols
MELT: Tg(H2-L-IL6)1Kish alternate1
QPCR: Tg(H2-L-IL6)1Kish-qPCR Alternate 1
Genotyping resources and troubleshooting

Breeding Considerations
When maintaining a live colony, these mice are bred as hemizygotes. Homozygotes begin to develop plasma cell tumors as early as 3 months of age.

Additional Breeding and Husbandry Support

Citation
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.
We will fulfill your order by providing at least two carriers for each strain ordered. The total number, sex, and genotypes provided will vary, although typically 8 or more animals are provided. Please check genotypes which will be recovered. While the genotypes of all animals produced will be communicated to you prior to scheduling shipment, the genotypes of animals provided may not reflect the mating scheme and genotypes described in the strain description. Animals are typically ready to ship in 11-14 weeks. If a second recovery is required to produce the minimum number of animals, then delivery time would increase to approximately 25 weeks. If we fail to produce animals of the correct genotype, you will not be charged. We cannot guarantee the reproductive success of mice shipped to your facility. If the mice are lost after the first three days (post-arrival) or do not produce progeny at your facility, a new order and fee will be necessary.

Cryorecovery to establish a Dedicated Supply for greater quantities of mice. Mice recovered can be used to establish a dedicated colony to contractually supply you mice according to your requirements. Price by quotation.

Payment Terms and Conditions
Terms are granted by individual review and stated on the customer invoice(s) and account statement. These transactions are payable in U.S. currency within the granted terms. Payment for services, products, shipping containers, and shipping costs that are rendered are expected within the payment terms indicated on the invoice or stated by contract. Invoices and account balances in arrears of stated terms may result in The Jackson Laboratory pursuing collection activities including but not limited to outside agencies and court filings.

The Jackson Laboratory’s Genotype Promise
The Jackson Laboratory has rigorous genetic quality control and mutant gene genotyping programs to ensure the genetic background of JAX® Mice strains as well as the genotypes of strains with identified molecular mutations. JAX® Mice strains are only made available to researchers after meeting our standards. However, the phenotype of each strain may not be fully characterized and/or captured in the strain data sheets. Therefore, we cannot guarantee a strain’s phenotype will meet all expectations. To ensure that JAX® Mice will meet the needs of individual research projects or when requesting a strain that is new to your research, we suggest ordering and performing tests on a small number of mice to determine suitability for your particular project.

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Committee will review the animal care and use protocol(s) associated with any SERVICES to be performed at JACKSON, and JACKSON
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Related Strains

- All
- By Allele
- By Gene
- By Collection