The Jackson Laboratory

NOD-Tg(H2-Ea-Ins2)1Wehi/WehiJ

Stock No: **005739** | NOD.MHCII-Ins2

Coisogenic, Transgenic

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

PLACE ORDER

Email Download PDF Help

spontaneous diabetes and are resistant to cyclophosphamide-induced diabetes.

Donating Investigator

Leonard Harrison, Walter and Eliza Hall Institute of Medic

READ MORE +

GENETIC OVERVIEW

Genetic Background **Generation**

Tg(H2-Ea-Ins2)1Wehi

Allele Type

Transgenic (Inserted expressed sequence)

VIEW GENETICS

RESEARCH APPLICATIONS

Immunology, Inflammation and Autoimmunity Research
Research Tools
Diabetes and Obesity Research

VIEW ALL RESEARCH APPLICATION

BASE PRICE

Starting at:

$2,854.50 Domestic price Cryo Recovery

VIEW PRICE LIST

Details

Detailed Description

Transgenic mice are viable, fertile, normal in size, normoglycemic and do not display any gross physical or behavioral abnormalities. RT/PCR indicates transgene expression in the spleen and thymus. Blood glucose levels of transgenic and non-transgenic littermates are identical. 90-98 % of the transgenic islets of females and males are insulitis free. Transgenic mice do not develop spontaneous diabetes and are resistant to cyclophosphamide-induced diabetes. Sialitis is not statistically different between transgenic and littermate controls (**French MB, Diabetes 1997 46:34-9**). Transgenic bone marrow transplanted into 4-week-old irradiated NOD females almost entirely prevented diabetes compared to control NOD to irradiated NOD transplants, which have an overall diabetes incidence similar to untreated controls. Thymoma incidence was similar in both irradiated groups.(**Steptoe RJ, J Clin Invest 2003 111:1357-63**)

This model may be helpful for looking at antigen specific immunotherapeutic strategies for preventing T1D and other autoimmune diseases.

Development

Expression Data

Control Suggestions

Selected References

Genetics

Tg(H2-Ea-Ins2)1Wehi

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols
Standard PCR:Tg(H2-Ea-Ins2)1Wehi
QPCR:Tg(H2-Ea-Ins2)1Wehi-qPCR
Genotyping resources and troubleshooting

Appearance
pink-eyed, albino

Related Genotype: *A/A Tyr^{c} /Tyr^{c}*

Citation
When using the NOD.MHCII-Ins2 mouse strain in a publication, please cite the originating article(s) and include JAX stock #005739 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 Internatic

Pricing effective for USA, Canada and Mexico shipping destinations

CRYORECOVERY - DOMESTIC PRICING		
SERVICE/PRODUCT	DESCRIPTION	PRICE
Cryo Recovery	Hemizygous or Non carrier for Tg(H2-Ea-Ins2)1Wehi	$2,854.50

RELATED PRODUCTS AND SERVICES		
Frozen Mouse Embryo	NOD-Tg(H2-Ea-Ins2)1Wehi/WehiJ Frozen Embryos	$2595.00

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. We do not guarantee breeding performance and therefore suggest that investigators order more than one breeding pair to avoid delays in their research.

Terms Of Use

TERMS OF USE

General Terms and Conditions

QUESTIONS ABOUT TERMS OF USE

LICENSING INFORMATION

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

Related Strains

All

By Allele

By Gene

By Collection

Choose other country or region

Did you find what you were looking for?

Yes No