C57BL/6-Tg(Ins2-OVA)307Wehi/WehiJ

Stock No: **005432** | RIP-OVA [to]

Transgenic

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

PLACE ORDER

pancreatic islets. This ovalbumin expressing model is a tool for assessing antigen ignorance and is used in tumor immunity studies and tissue damage studies.

Donating Investigator

William Heath, The Walter and Eliza Hall Institute

READ MORE +

GENETIC OVERVIEW

Genetic Background **Generation**

Tg(Ins2-OVA)307Wehi

Allele Type

Transgenic (Inserted expressed sequence)

VIEW GENETICS

RESEARCH APPLICATIONS

Research Tools
Immunology, Inflammation and Autoimmunity Research

VIEW ALL RESEARCH APPLICATIO

BASE PRICE

Starting at:

$2,854.50 Domestic price Cryo Recovery

VIEW PRICE LIST

Details

Detailed Description

Immunohistochemistry does not detect ovalbumin in the islet beta cells of the pancreas. The double transgenic resulting from a cross of this transgenic stock with C57BL/6-Tg(Tcra Tcrb)1100MjbJ (OT-1) exhibit early onset of spontaneous diabetes with islet infiltration; implying that the beta cells express OVA. One of 60 irradiated Tg(Ins2-OV)307 mice receiving a 1:4 mixture (OT-1 transgenic mice:C57BL/6-Thy1.1 congenic) of bone marrow become diabetic when followed for 10 weeks post transfer. Histolocigal evaluation indicates 22% of the islets are mildly infiltrated 15-21 weeks post transfer. This stock only exhibits antigen presentation in the draining lymph node when the pancreatic islets have been damaged. Hemizygotes are viable and fertile.

This ovalbumin expressing model is a tool for assessing antigen ignorance and is used in tumor immunity studies and tissue damage studies.

Development

Expression Data

Control Suggestions

Selected References

Genetics

Tg(Ins2-OVA)307Wehi

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

Standard PCR:Tg(Ins2-OVA)
Standard PCR:Tg(Ins2-OVA)
Standard PCR:Tg(Ins2-OVA)
Standard PCR:Tg(Ins2-OVA)
Standard PCR:Tg(Ins2-OVA)
Standard PCR:Tg(Ins2-OVA)
QPCR:Tg(Ins2-OVA)
QPCR:Tg(Ins2-OVA)
Standard PCR:Tg(Ins2-TFRC/OVA)296Wehi Alternate3
Genotyping resources and troubleshooting

Breeding Considerations

When maintaining a live colony, hemizygous mice may be bred to wildtype siblings, or to C57BL/6J inbred mice (Stock No. 000664). Homozygous viability/fertility has not been tested.

Additional Breeding and Husbandry Support

Appearance

black
Related Genotype: *a/a*

Citation

When using the RIP-OVA^{lo} mouse strain in a publication, please cite the originating article(s) and include JAX stock #005432 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 carrierfor Tg(Ins2-OVA)307Wehi	$2,854.50

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.

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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