

**NOD.NOR-(D1Mit380-D1Mit8)/DvsJ**

Stock No: **005511** | NOD.Idd5<sup>NOR</sup> CH1<sup>NOR</sup>

 Congenic

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](#)

**Donating Investigator**

Dr. David Serreze, The Jackson Laboratory

[R E A D M O R E +](#)

**GENETIC OVERVIEW**

**Genetic Background**      **Generation**

001289 NOD/ShiLt

*Idd5*<sup>NOR/LtJ</sup>

**Alele Type**

QTL

**Gene Symbol**

*Idd5*

**Gene Name**

insulin dependent diabetes susceptibility 5

**Marker(s)**

**Marker Symbol**

*D1Mit380*

**Marker Name**

DNA segment, Chr 1, Massachusetts Institute of Technology 380

*D1Mit8*

DNA segment, Chr 1, Massachusetts Institute of Technology 8

[V I E W G E N E T I C S](#)

**RESEARCH APPLICATIONS**

Diabetes and Obesity Research

## BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

VIEW PRICE LIST

### Details

#### Detailed Description

This NOD/Lt congenic strain is carrying chr 1 alleles derived from strain NOR/Lt including the insulin dependent diabetes susceptibility 5 loci. Diabetes onset and incidence among NOD.NOR-*D1Mit380-D1Mit8* congenic mice is significantly later and reduced. Similar to the Irvakine et al, 2005 publication it has been reported that this NOD.NOR- *Idd5* congenic stock is resistant to Cyclophosphamide induced insulinitis in both males and females.

This strain is useful for dissecting the role of non-MHC susceptibility genes in autoimmune diabetes.

#### Development

#### Control Suggestions

#### Selected References

### Genetics

#### *Idd5*<sup>NOR/LtJ</sup>

#### *D1Mit380*

#### *D1Mit8*

## – Disease/Phenotype

+ Disease Terms

---

+ Research Areas By Phenotype

---

+ Mammalian Phenotype Terms by Genotype

---

+ References

---

## – 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

[Genotyping resources and troubleshooting](#)

### Breeding Considerations

A footpad injection of Complete Freund's Adjuvant (CFA) administered once at weaning will delay diabetes onset, thus extending the lifespan of breeders. Use of Complete Freund's Adjuvant in NOD mice can be found in [Current Protocols in Immunology](#) page 15.9.19, Reproduction.

[Additional Breeding and Husbandry Support](#)

### Citation

When using the NOD.Idd5<sup>NOR</sup> CH1<sup>NOR</sup> mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #005511 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

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	Homozygous, 1 pair minimum	\$2,854.50

## RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	NOD.NOR-(D1Mit380-D1Mit8)/DvsJ 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](#)

Q U E S T I O N S   A B O U T   T E R M S   O F   U S E

## LICENSING INFORMATION

Phone: 207-288-6470

Email: [TechTran@jax.org](mailto:TechTran@jax.org)

Related Strains

All

By Allele

By Gene

By Collection



DO YOU NEED BALB/c MICE?

Rely on JAX to provide the models you need, when you need them.

LEARN MORE



CONTACT

DONATE

SUBSCRIBE

JAX HOME CAREERS LEGAL INFORMATION

RESEARCH CENTERS MOUSE GENOME INFORMATICS

MOUSE PHENOME DATABASE

Leading the search for

# TOMORROW'S CURES



©2021 THE JACKSON LABORATORY

Choose other country or region



^ E E E D B

Did you find what you were looking for?

Yes  No