

B6.NOD-(D1Mit3-Bcl2)/J

Stock No: **003062** | B6.NOD Idd5 (c1c)

 Congenic

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

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GENETIC OVERVIEW

Genetic Background Generation

Idd5^{NOD}

Alele Type

QTL

Gene Symbol

Idd5

Gene Name

insulin dependent diabetes susceptibility 5

Marker(s)

Marker Symbol

Bcl2

D1Mit3

Marker Name

B cell leukemia/lymphoma 2

DNA segment, Chr 1, Massachusetts Institute of Technology 3

VIEW GENETICS

RESEARCH APPLICATIONS

Diabetes and Obesity Research

Immunology, Inflammation and Autoimmunity Research

BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

VIEW PRICE LIST

Details

Detailed Description

This strain is congenic for a 44 cM segment of Chr 1 extending from *D1Mit3* through *Bcl2* (B-cell leukemia/lymphoma 2) that includes *Idd5* (insulin dependent diabetes susceptibility 5). The name given this segment in the primary reference is c1c. Upon histologic examination of the pancreas, a significantly higher percentage of B6.NOD-(*D1Mit3-Bcl2*) congenic mice than of C57BL/6J control mice were found to exhibit periinsulinitis, and more extensive mononuclear cell infiltrates were observed in the pancreata of these mice. The pancreatic infiltrates were not associated specifically with the islets. Insulinitis (intraislet infiltration) was extremely rare, and no more than one affected islet was observed in a single animal, even in cases where extensive perivascular/periductal infiltrates existed. Female B6.NOD-(*D1Mit3-Bcl2*) mice exhibited pancreatic infiltration at twice the frequency of males; female NOD mice are more susceptible than males to both insulinitis and diabetes.

Development

Control Suggestions

Genetics

Idd5^{NOD}

Bcl2

D1Mit3

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](#)

Appearance

black

Related Genotype: *a/a*

Citation

When using the B6.NOD Idd5 (c1c) mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #003062 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

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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

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