

NOD.B10Sn-H2^b /JStock No: **002591** Congenic, Major Histocompatibility Congenic

Live mice available in varying quantities. Ask Customer Service for details.

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strain (Stock #001976) and are useful in dissecting the role of MHC versus non-MHC genes in producing aberrant immunophenotypes.

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

GENETIC OVERVIEW

Genetic Background**Generation**

[N12+N1F13](#)
(2021-04-06 00:00:00)

H2^b**Alele Type**

Not Applicable

Gene Symbol*H2***Gene Name**

histocompatibility-2, MHC

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

RESEARCH APPLICATIONS

Diabetes and Obesity Research
Immunology, Inflammation and Autoimmunity Research

[V I E W A L L R E S E A R C H A P P L I C A T I O N S](#)

BASE PRICE

Starting at:

\$255.00 Domestic price for female 4-week

V I E W P R I C E L I S T

Details

Detailed Description

This strain was developed to determine the effect of the non-MHC diabetogenic genes on the development of autoimmunity when compared to the NOD/LtJ strain (Stock #001976), and mice exhibit some but not all of the immune dysfunctions of NOD/LtJ mice. The NOD.H-2b strain does not develop insulinitis, cyclophosphamide-induced diabetes, or spontaneous diabetes, but does develop extensive lymphocytic infiltrates in the pancreas and the submandibular glands.

Development

Control Suggestions

Selected References

Genetics

H2^b

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

Phenotype Information

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

End Point Analysis: [H2rs253049200-Alt 1-EP](#)

Sanger sequencing: [H2rs253049200](#)

[Genotyping resources and troubleshooting](#)

Dietary Information

LabDiet® 5K52 formulation (6% fat)

Mating System

Homozygote x Homozygote

Appearance

albino

Related Genotype: *A/A p/p Tyr^c/Tyr^c*

Citation

When using the NOD.B10Sn-*H2^b*/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #002591 in your Materials and Methods section.

Animal Health Reports

[Facility Barrier Level Descriptions](#)

 [AX10 \(Standard\)](#)

Pricing & Availability



Available

Live mice available in varying quantities. Ask Customer Service for details.

Domestic International

Pricing effective for USA, Canada and Mexico shipping destinations

LIVE MOUSE

AGE	SEX	GENOTYPE	PRICE
4 weeks	Female	Homozygous for H2 ^b	\$255.00
	Male	Homozygous for H2 ^b	\$255.00
5 weeks	Female	Homozygous for H2 ^b	\$255.00

	SEX	Homozygous for H2 ^b	\$255.00
6 weeks	Female	Homozygous for H2 ^b	\$255.00
	Male	Homozygous for H2 ^b	\$255.00
7 weeks	Female	Homozygous for H2 ^b	\$255.00
	Male	Homozygous for H2 ^b	\$255.00
8 weeks	Female	Homozygous for H2 ^b	\$255.00
	Male	Homozygous for H2 ^b	\$255.00
9 weeks	Female	Homozygous for H2 ^b	\$255.00
	Male	Homozygous for H2 ^b	\$255.00
10 weeks	Female	Homozygous for H2 ^b	\$255.00
	Male	Homozygous for H2 ^b	\$255.00
11 weeks	Female	Homozygous for H2 ^b	\$255.00
	Male	Homozygous for H2 ^b	\$255.00
12 weeks	Female	Homozygous for H2 ^b	\$255.00
	Male	Homozygous for H2 ^b	\$255.00

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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.

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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

Related Strains

All

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Yes No