

B10.D2-H2^{dm1}/EgJ

Stock No: **001164**

 Congenic, Major Histocompatibility 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

Marker(s)

Marker Symbol

Marker Name

H2

histocompatibility-2, MHC

VIEW GENETICS

RESEARCH APPLICATIONS

Immunology, Inflammation and Autoimmunity Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

Details

Detailed Description

The $H2^{dm1}$ mutation is unique among all described H-2 mutations in that two transplantation antigens, the H-2D^d and the H-2L^d, are affected. $H2^{dm1}$ is formed by fusion of the 5' part of the D^d gene and the 3' part of the L^d gene, with the region in between deleted. The recombination junction is located in the third exon, which encodes the alpha 2 region of the protein. When the hybrid gene is transfected into mouse L cells, serological and biochemical analyses indicate the D^{dm1} antigen expressed in the transformant line is identical to the mutant molecule in D^{dm1} spleen cells.

Development

Control Suggestions

Genetics

H2

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

Genotyping Protocols

[Genotyping resources and troubleshooting](#)

Appearance

black

Associated Genotype: *a/a*

Citation

When using the B10.D2-*H2^{dm1}*/EgJ mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #001164 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 for H2<dm1>, 1 pair minimum	\$2,854.50

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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.

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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

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By Allele

By Gene

By Collection






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TOMORROW'S CURES



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Yes No