

NOD.Cg-Prkdc^{scid} H2-Ab1^{tm1Doi}/SzJ
Stock No: **005589** | AB^{o/e}

◆ Congenic, Spontaneous Mutation, Targeted Mutation

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

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Donating Investigator

Alexander Chervonsky, The University of Chicago

GENETIC OVERVIEW

Genetic Background

Generation

Prkdc^{scid}

Alele Type

Spontaneous

Gene Symbol

Prkdc

Gene Name

protein kinase, DNA activated, catalytic polypeptide

H2-Ab1^{tm1Doi}

Alele Type

Targeted (Null/Knockout)

Gene Symbol

H2-Ab1

Gene Name

histocompatibility 2, class II antigen A, beta 1

V I E W G E N E T I C S

RESEARCH APPLICATIONS

Immunology, Inflammation and Autoimmunity Research

Virology Research

Research Tools

Internal/Organ 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:

\$2,854.50 Domestic price Cryo Recovery

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

Details

Detailed Description

These mice have no MHC class II expression which makes them useful to facilitate the engraftment of human immune cells.

Development

Control Suggestions

Selected References

Genetics

Prkdc^{scid}

H2-Ab1^{tm1Doi}

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

Separated PCR:[H2-Ab1/H2-Ab1](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

These mice are immunodeficient and need to be maintained in a high barrier environment with sterile food and water or given antibiotic in the water.

Embryos frozen are $Prkdc^{scid}/Prkdc^{scid}$, $H2-Ab1^{tm1Doi}/H2-Ab1^{tm1Doi}$

Affected mutant: $Prkdc^{scid}/Prkdc^{scid}$, $H2-Ab1^{tm1Doi}/H2-Ab1^{tm1Doi}$.

[Additional Breeding and Husbandry Support](#)

Citation

When using the AB^{o/o} mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #005589 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 **International**

Pricing effective for USA, Canada and Mexico shipping destinations

CRYORECOVERY - DOMESTIC NOT-FOR-PROFIT & ACADEMIC PRICING

| SERVICE/PRODUCT | DESCRIPTION | PRICE |
|-------------------------------|---|------------|
| Cryo Recovery | Homozygous for Prkdc<scid>, Homozygous for H2-Ab1<tm1Doi> | \$2,854.50 |

RELATED PRODUCTS AND SERVICES

| | | |
|-------------------------------------|--|-----------|
| Frozen Mouse Embryo | NOD.Cg-Prkdc<scid> H2-Ab1<tm1Doi>/SzJ 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.

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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

ADDITIONAL USE RESTRICTIONS APPLY

N O T A V A I L A B L E T O C O M P A N I E S O R F O R C O M M E R C I A L
[Use of MICE only available to non-profit entities.](#)

LICENSING INFORMATION

Phone: 207-288-6470
Email: TechTran@jax.org

Related Strains

All

By Allele

By Gene

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TOMORROW'S CURES



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