

CBA/JStock No: **000656** | CBA **Inbred Strain**

Readily available in any quantity needed.

[PLACE ORDER](#)[Email](#) [Download PDF](#) [Help](#)**Also Known As: CBA Jackson, CBA**

This widely used general purpose strain is the only CBA substrain that carries the *Pde6b^{rd1}* mutation, which causes blindness by wean age. Renal tubulointerstitial lesions have been observed in this strain at a high frequency. Some CBA/J mice spontaneously develop exocrine pancreatic insufficiency syndrome. Research includes immunology and inflammation, metabolism, hearing and cochlear function, infectious disease, and fetal development.

[R E A D M O R E +](#)**GENETIC OVERVIEW****Genetic Background****Generation**[Contact Technical Support](#)
(2018-07-27 00:00:00)[V I E W G E N E T I C S](#)

RESEARCH APPLICATIONS

Cardiovascular Research
Research Tools
Sensorineural Research
Immunology, Inflammation and Autoimmunity Research
Internal/Organ Research
Metabolism Research
Mouse/Human Gene Homologs

[VIEW ALL RESEARCH APPLICATIONS](#)

BASE PRICE

Starting at:

\$28.08 Domestic price for male 3-week

[VIEW PRICE LIST](#)

Volume Pricing Available!

for select shipping destinations

[Click for Details](#)

Details

Important Note

This strain is homozygous for the retinal degeneration allele *Pde6b^{rd1}*. See article "Genetic Background Effects: Can Your Mice See?", *JAX[®] NOTES* Spring 2002, No. 485.

Detailed Description

CBA/J inbred mice are widely used as a general purpose strain. CBA/J strain is the only CBA substrain that carries the *Pde6b^{rd1}* mutation, which causes blindness by wean age. CBA/J mice are not histocompatible with the CBA/CaJ (Stock No. [000654](#)) substrain (Green and Kaufer, 1965).

The CBA/J inbred mouse strain is used to study granulomatous experimental autoimmune thyroiditis (G-EAT), are relatively resistant to diet-induced atherosclerosis (Paigen *et al.* 1990), and develop a mild hearing loss late in life, with most of the hearing loss occurring in the higher frequencies (Sweet *et al.* 1988). Renal tubulointerstitial lesions have been observed in this strain at a high frequency (Rudofsky 1978). Some CBA/J mice spontaneously develop exocrine pancreatic insufficiency syndrome (Eppig and Leiter 1977, Leiter *et al.* 1977).

[+ Development](#)

[+ Selected References](#)

[- Genetics](#)

[+ *Pde6b^{rd1}*](#)

[+ *Ahr^{b-2}*](#)

[+ *Cd5^a*](#)

[+ *Hrh1^{Bphs-r}*](#)

[+ *Mx1^{s2}*](#)

[+ *Cox7a2^l*](#)

[- Disease/Phenotype](#)

[+ Disease Terms](#)

[+ Research Areas By Phenotype](#)

[+ Mammalian Phenotype Terms by Genotype](#)

[+ Phenotype Information](#)

[+ References](#)

[- Technical Support](#)

Genotyping Protocols

Separated PCR: [GAL Panel](#)

Standard PCR: [Generic Pde6b Alternate1](#)

Probe: [Pde6b Probe](#)

[Genotyping resources and troubleshooting](#)

Inbred mouse strains are maintained through sibling (sister x brother) matings; no genotyping required.

Dietary Information

LabDiet® 5K52 formulation (6% fat)

Breeding Considerations

[This strain is a good breeder.](#)

Older mice are prone to seizures.

[Additional Breeding and Husbandry Support](#)

Mating System

Sibling x Sibling

Appearance

agouti

Related Genotype: *A/A*

Citation

When using the CBA mouse strain in a publication, please include JAX stock #000656 in your Materials and Methods section.

Animal Health Reports

[Facility Barrier Level Descriptions](#)

 [MP13 \(Maximum\)](#)

 [EM01 \(Maximum\)](#)

 [RB11 \(Maximum\)](#)

Pricing & Availability



Readily available in any quantity needed.

Readily
Available

Domestic | International

Pricing effective for USA, Canada and Mexico shipping destinations

LIVE MOUSE

AGE	SEX	GENOTYPE	PRICE
3 weeks	Female	Not Applicable	\$30.71
	Male	Not Applicable	\$28.08
4 weeks	Female	Not Applicable	\$31.27
	Male	Not Applicable	\$28.63

5 weeks	SEX	Not Applicable	\$31.77
	Male	Not Applicable	\$29.20
6 weeks	Female	Not Applicable	\$34.10
	Male	Not Applicable	\$32.02
7 weeks	Female	Not Applicable	\$38.41
	Male	Not Applicable	\$33.48
8 weeks	Female	Not Applicable	\$40.19
	Male	Not Applicable	\$36.99
9 weeks	Female	Not Applicable	\$44.21
	Male	Not Applicable	\$40.09
10 weeks	Male	Not Applicable	\$46.66

VOLUME PRICING DETAILS

QUANTITY

Volume Pricing

100

5% off

Volume Pricing Program

Quantities: Volume pricing is automatically applied when a minimum quantity per strain for a shipment is reached
 Sexes: Sexes of the same strain may be combined to reach minimum quantity levels to receive the volume pricing
 Shipment: All shipping destinations qualify

This strain is available from some international Charles River (CR) breeding facilities in Japan and/or Europe. For more information, see the [Worldwide Distributor List for JAX® Mice](#).

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

[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

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