


BALB/cByJ
Stock No: **001026**
 Inbred Strain

Sized to accommodate orders of up to 100 or more. Ask Customer Service for details.

PLACE ORDER

[Email](#) [Download PDF](#) [Help](#)



Also Known As: BALB/c Bailey J, BALB Bailey, CBy, CByJ

Mice of this substrain of BALB/c, among other differences, have better reproductive performance and less aggression than mice of the BALB/cJ substrain (Stock No. [000651](#)).

READ MORE +

GENETIC OVERVIEW

Genetic Background

Generation

[Contact Technical Support](#)
(2018-07-27 00:00:00)

VIEW GENETICS

RESEARCH APPLICATIONS

Neurobiology Research
Research Tools
Immunology, Inflammation and Autoimmunity Research
Cancer Research
Sensorineural Research

[VIEW ALL RESEARCH APPLICATIONS](#)

BASE PRICE

Starting at:

\$34.16 Domestic price for female 3-week

[VIEW PRICE LIST](#)

[- Details](#)

Important Note

This strain is homozygous for *Cdh23^{ahl}*, the age related hearing loss 1 mutation, which on this background results in progressive hearing loss with onset after 10 months of age.

[- Detailed Description](#)

BALB/c mice are particularly well known for the production of plasmacytoma on injection with mineral oil, forming the basis for the production of monoclonal antibodies. Although not all BALB/c substrains have been examined for plasmacytoma induction, substrains derived from the Andervont (An) lineage (which includes BALB/cByJ) typically are susceptible, while those descended from BALB/cJ are resistant. Mammary tumor incidence is normally low, but infection with mammary tumor virus by fostering to MMTV⁺ C3H mice dramatically increases tumor number and age of onset. BALB/c mice develop other cancers later in life, including reticular neoplasm, primary lung tumors, and renal tumors. Rare spontaneous myoepitheliomas arising from myoepithelial cells of various exocrine glands have been observed in both BALB/cJ and BALB/cByJ substrains. A deficiency of *Acads* (acyl-Coenzyme A dehydrogenase, short chain) leads to severe organic aciduria. BALB/cByJ develop a fatty liver upon fasting or dietary fat challenge and become hypoglycemic after an 18-hour fast. BALB/cByJ mice have the advantage of better reproductive performance and less aggression than mice of the BALB/cJ substrain.

[+ Development](#)

[+ Selected References](#)

[- Genetics](#)

+ *Cdh23^{ahl}*

+ *Ahr^{b-2}*

+ *If1^l*

+ *Acads^{del-J}*

+ *Hld*

+ *Mdmg1*

– 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

Sanger sequencing:H2 rs50413633

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.

Additional Breeding and Husbandry Support

Mating System

Sibling x Sibling

Appearance

albino

Related Genotype: *A/A Tyrp1^b/Tyrp1^b Tyr^c/Tyr^c*

Citation

When using the BALB/cByJ mouse strain in a publication, please include JAX stock #001026 in your Materials and Methods section.

Animal Health Reports

[Facility Barrier Level Descriptions](#)

 [AX8 \(Standard\)](#)

 [RB09 \(Maximum\)](#)

 [MP14 \(Maximum\)](#)

➔ Pricing & Availability



Readily
Available

Sized to accommodate orders of up to 100 or more. Ask Customer Service for details.

Domestic **International**

Pricing effective for USA, Canada and Mexico shipping destinations

LIVE MOUSE			
AGE	SEX	GENOTYPE	PRICE
3 weeks	Female	Not Applicable	\$34.16
	Male	Not Applicable	\$34.16
4 weeks	Female	Not Applicable	\$34.16
	Male	Not Applicable	\$34.16
5 weeks	Female	Not Applicable	\$34.16
	Male	Not Applicable	\$34.16
6 weeks	Female	Not Applicable	\$37.61
	Male	Not Applicable	\$37.61
7 weeks	Female	Not Applicable	\$41.06
	Male	Not Applicable	\$41.06
8 weeks	Female	Not Applicable	\$44.51
	Male	Not Applicable	\$44.51
9 weeks	Female	Not Applicable	\$47.96
	Male	Not Applicable	\$47.96
10 weeks	Female	Not Applicable	\$51.41

	SEX	Not Applicable	\$51.41
11 weeks	Female	Not Applicable	\$54.86
	Male	Not Applicable	\$54.86
12 weeks	Female	Not Applicable	\$58.31
	Male	Not Applicable	\$58.31

RELATED PRODUCTS AND SERVICES		
Mouse ES Cells	BALB/cByJ-PB150.18 mES cells	\$695.00
Mouse ES Cells	BALB/cByJ AC383/GrsrJ mES cells	\$995.00

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.

Terms Of Use

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

JAX® Mice, Products & Services Conditions of Use

"MICE" means mouse strains, their progeny derived by inbreeding or crossbreeding, unmodified derivatives from mouse strains or their progeny supplied by The Jackson Laboratory ("JACKSON"). "PRODUCT(S)" means biological materials supplied by JACKSON, and their derivatives. "SERVICES" means projects conducted by JACKSON for other parties that may include but are not limited to the use of MICE or PRODUCTS. "RECIPIENT" means each recipient of MICE, PRODUCTS, or SERVICES provided by JACKSON including each institution, its employees and other researchers under its control. MICE or PRODUCTS shall not be: (i) used for any purpose other than internal research, (ii) sold or otherwise provided to any third party for any use, or (iii) provided to any agent or other third party to provide breeding or other services. Acceptance of MICE, PRODUCTS or SERVICES from JACKSON shall be deemed as agreement by RECIPIENT to these conditions, and departure from these conditions requires JACKSON's prior written authorization.

No Warranty

MICE, PRODUCTS AND SERVICES ARE PROVIDED "AS IS". JACKSON EXTENDS NO WARRANTIES OF ANY KIND, EITHER EXPRESS, IMPLIED, OR STATUTORY, WITH RESPECT TO MICE, PRODUCTS OR SERVICES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY OF NON-INFRINGEMENT OF ANY PATENT, TRADEMARK, OR OTHER INTELLECTUAL PROPERTY RIGHTS.

Credit for PRODUCTS or SERVICES

In case of dissatisfaction for a valid reason and claimed in writing by a purchaser within ninety (90) days of receipt of, PRODUCTS or SERVICES, JACKSON will, at its option, provide credit or replacement for the PRODUCT received or the SERVICES provided; JACKSON makes no other representations and this shall be the exclusive remedy of the purchaser. [Please note specific policy for live mice.](#)

Animal Care and Use for SERVICES

Consistent with the requirement for a written understanding regarding animal care and use, the JACKSON Animal Care and Use Committee will review the animal care and use protocol(s) associated with any SERVICES to be performed at JACKSON, and JACKSON shall have ultimate responsibility and authority for the care of animals while on site or in JACKSON custody.

No Liability

In no event shall JACKSON, its trustees, directors, officers, employees, and affiliates be liable for any causes of action or damages, including any direct, indirect, special, or consequential damages, arising out of the provision of MICE, PRODUCTS, or SERVICES, including economic damage or injury to property and lost profits, and including any damage arising from acts or negligence on the part of JACKSON, its agents or employees. Unless prohibited by law, in purchasing or receiving MICE, PRODUCTS, or SERVICES from JACKSON, purchaser or recipient, or any party claiming by or through them, expressly releases and discharges JACKSON from all such causes of action or damages, and further agrees to defend and indemnify JACKSON from any costs or damages arising out of any third party claims.

MICE, PRODUCTS or SERVICES are to be used in a safe manner and in accordance with all applicable governmental rules and regulations.

The foregoing represents the General Terms and Conditions applicable to JACKSON's MICE, PRODUCTS or SERVICES. In addition, special terms and conditions of sale of certain MICE, PRODUCTS, or SERVICES may be set forth separately in JACKSON web pages, catalogs, price lists, contracts, and/or other documents, and these special terms and conditions shall also govern the sale of these MICE, PRODUCTS and SERVICES by JACKSON, and by its licensees and distributors.

Acceptance of delivery of MICE, PRODUCTS or SERVICES shall be deemed agreement to these terms and conditions. No purchase order or other document transmitted by purchaser or recipient that may modify the terms and conditions hereof, shall be in any way binding on JACKSON, and instead the terms and conditions set forth herein, including any special terms and conditions set forth separately, shall govern the sale of MICE, PRODUCTS or SERVICES by JACKSON.

◀ Related Strains

All

By Allele

By Gene

By Collection

All Related Strains



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 PRIVACY POLICY TERMS OF USE
RESEARCH CENTERS MOUSE GENOME INFORMATICS
MOUSE PHENOME DATABASE

Leading the search for

TOMORROW'S CURES



©2020 THE JACKSON LABORATORY

Choose other country or region 

^ E E E D B

Did you find what you were looking for?

Yes No