NZB/BINJ

Stock No: 000684 | NZB

Inbred Strain

Available Now

PLACE ORDER

Sized to accommodate orders of up to 10 or more with age range. Call Customer Service for details.

Also Known As: New Zealand Black, NZB

NZB/BINJ mice display a number of autoimmune abnormalities including hemolytic anemia, elevated levels of immunoglobulin, anti-DNA antibodies, anti-thymocyte antibodies, and circulating immune complexes causing glomerulonephritis. F1 hybrids of NZB/BINJ and NZW/LacJ (NZBWF1/J, Stock No. 100008) are widely used as a model for autoimmune disease resembling human systemic lupus erythematosus. NZB/BINJ mice, fed an atherogenic diet, fail to develop atherosclerotic aortic lesions in contrast to several highly susceptible strains of mice.

READ MORE +

GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tr>
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<td>(2018-07-27 00:00:00)</td>
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VIEW GENETICS
RESEARCH APPLICATIONS
Hematological Research
Cardiovascular Research
Developmental Biology Research
Research Tools
Immunology, Inflammation and Autoimmunity Research
Metabolism Research

BASE PRICE
Starting at:
$172.33 Domestic price for female 3-week

Details

Detailed Description
NZB/BINJ mice display a number of autoimmune abnormalities including hemolytic anemia, elevated levels of immunoglobulin, anti-DNA antibodies, anti-thymocyte antibodies, and circulating immune complexes causing glomerulonephritis. F1 hybrids of NZB/BINJ and NZW/LacJ (NZBWF1/J, Stock No. 100008) are widely used as a model for autoimmune disease resembling human systemic lupus erythematosus. NZB/BINJ mice, fed an atherogenic diet (1.25% cholesterol, 0.5% cholic acid and 15% fat), fail to develop atherosclerotic aortic lesions in contrast to several highly susceptible strains of mice (e.g. C57BL/6J, Stock No. 000664; C57L/J, Stock No. 000668, C57BR/129J, Stock No. 000667, and SM/J, Stock No. 000687).

Development

Selected References

Genetics

Bfsp2

Il3ra

Pctp

Hc

Ahr
Genotyping Protocols
Genotyping resources and troubleshooting

Dietary Information
LabDiet® 5K52 formulation (6% fat)

Breeding Considerations
This strain is a challenging breeder.
Additional Breeding and Husbandry Support

Mating System
Sibling x Sibling

Appearance
black
Related Genotype: a/a

Citation
Animal Health Reports
When using the NZB mouse strain in a publication, please include JAX stock #000684 in your Materials and Methods section.

Facility Barrier Level Descriptions
- MP16 (Standard)

Pricing & Availability
Sized to accommodate orders of up to 10 or more with age range. Call Customer Service for details.
## Live Mouse

<table>
<thead>
<tr>
<th>AGE</th>
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### Terms of Use

**General Terms and Conditions**

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