NZB/BlNJ 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/BlNJ

Also Known As: New Zealand Black, NZB

NZB/BlNJ 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/BlNJ
NZB/BlNJ 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/BlNJ and NZW/LacJ (NZBWF1/J, Stock No. 100008) are widely used as a model for autoimmune disease resembling human systemic lupus erythematosus. NZB/BlNJ mice, fed an atherogenic diet, 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/cdJ, Stock No. 000667, and SM/J, Stock No. 000687).
Genetics

- Bfsp$^{Dundee}_2$
- Il3ra$m^1$
- Pctp$^{R120H}_m$
- Hc$^0$
- Mx$^{1^s_1}$
- Ah$d^d$
- Mir16-1$m^1$
- Cox7a2$l^l$
- mt-Tr$m^1$

Disease/Phenotype

Disease Terms

Research Areas By Genotype

Mammalian Phenotype Terms by Genotype

Phenotype Information

References

Technical Support

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

Animal Health Reports
MP16 (Standard)

Pricing & Availability

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

Live Mouse

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<th>AGE</th>
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By Allele

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