NZW / LacJ

Stock No: 001058 | NZW

Inbred Strain

AVAILABLE NOW

PLACE ORDER

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

Overview
Also Known As: New Zealand White, NZW

NZW mice have a normal lifespan but do develop anti-DNA antibodies, high serum levels of retroviral gp70 antigen, and nephritis later in life. F1 hybrids of NZB/BlNJ and NZW/LacJ (Stock No. 100008) are widely used as a model for autoimmune disease resembling human systemic lupus erythematosus.

In 2019-2020, researchers at The Jackson Laboratory discovered this inbred strain contains the $\text{Trem2}^{S148E}$ allele - a naturally occurring variant at position 48351151-48351152 on Chr 17 ($\text{rs108080490}$ and $\text{rs107649577}$; Ensembl GRCm38.p6). This TC to GA transition results in a serine to glutamic acid substitution at amino acid 148 (S148E).
Genotyping Protocols
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 challenging breeder.

Additional Breeding and Husbandry Support
Mating System
Sibling x Sibling
Appearance
albino

Related Genotype: Tyrp1<sup>b</sup>/Tyrp1<sup>b</sup> Oca2<sup>b</sup> Tyr<sup>c</sup>/Oca2<sup>b</sup> Tyr<sup>c</sup> A/A

Citation
When using the NZW mouse strain in a publication, please include JAX stock #001058 in your Materials and Methods section.

Animal Health Reports
Facility Barrier Level Descriptions

MP16 (Standard)

Pricing & Availability

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<table>
<thead>
<tr>
<th>Domestic</th>
<th>International</th>
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Pricing effective for USA, Canada and Mexico shipping destinations

Live Mouse

<table>
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<tr>
<th>AGE</th>
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<tr>
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Related Products and Services

Mouse ES Cells NZW/LacJ mES cells $695.00

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Related Strains

All

By Allele

By Gene

By Collection

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