NZW / Lac J

Overview

Available Now

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Sized to accommodate orders of up to 10 or more with age range. Ask Customer Service for details.
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 \(Trem2^{S148E}\) allele - a naturally occurring variant at position 48351151-48351152 on Chr 17 (rs108080490 and rs107649577; Ensembl GRCm38.p6). This TC to GA transition results in a serine to glutamic acid substitution at amino acid 148 (S148E).
Inbred mouse strains are maintained through sibling (sister x brother) matings; no genotyping required.

LabDiet® 5K52 formulation (6% fat)

This strain is a challenging breeder.

Sibling x Sibling
**Appearance**
albino

**Related Genotype:** Tyrp<sup>1</sup>/Tyrp<sup>1</sup> Oca2<sup>-</sup> Tyr<sup>-</sup>/Oca2<sup>-</sup> Tyr<sup>-</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**
MP16 (Standard)

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**Pricing & Availability**

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

**Domestic & International**

Pricing effective for USA, Canada and Mexico shipping destinations

**Live Mouse**

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<th>AGE</th>
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**Related Products and Services**

| Mouse ES Cells | NZW/LacJ mES cells | $695.00 |

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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.

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All

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By Gene

By Collection

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