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
NZW mice have a normal lifespan but 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, researchers at The Jackson Laboratory discovered this inbred strain has a nonsense mutation in *Trem2* affecting codon 148 (dbSNP ID: rs107649577 [Ensembl GRCm38.p6]).
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:** Tyrp<sup>1<sub>b</sub></sup>/Tyrp<sup>1<sub>b</sub></sup> Oca2<sup>2</sup> Tyr<sup>r</sup>/Oca2<sup>2</sup> Tyr<sup>r</sup> A/A

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

**Facility Barrier Level Descriptions**
- 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 Pricing

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#### Live Mouse

**Pricing effective for USA, Canada and Mexico shipping destinations**

**Related Products and Services**

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

### 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.
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Email: TechTran@jax.org

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## Related Strains

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