

Resource Summary Report

Generated by [RRID](#) on Jul 29, 2026

[NZW/LacJ](#)

RRID:IMSR_JAX:001058

Type: Organism

Proper Citation

RRID:IMSR_JAX:001058

Organism Information

URL: <https://www.jax.org/strain/001058>

Proper Citation: RRID:IMSR_JAX:001058

Description: Mus musculus with name NZW/LacJ from IMSR.

Species: Mus musculus

Synonyms: New Zealand White

Notes: gene symbol note: phosphatidylcholine transfer protein|TYRO3 protein tyrosine kinase 3|oculocutaneous albinism II|beaded filament structural protein 2; phakinin|cytochrome c oxidase subunit 7A2 like; inbred strain: Pctp|Tyro3|Oca2|Bfsp2|Cox7a2l

Affected Gene: phosphatidylcholine transfer protein|TYRO3 protein tyrosine kinase 3|oculocutaneous albinism II|beaded filament structural protein 2; phakinin|cytochrome c oxidase subunit 7A2 like

Genomic Alteration: R120H|mutation 1|pink-eyed dilution|Dundee|short

Catalog Number: JAX:001058

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: NZW/LacJ

Record Creation Time: 20250513T053623+0000

Record Last Update: 20260725T044331+0000

Ratings and Alerts

No rating or validation information has been found for NZW/LacJ.

No alerts have been found for NZW/LacJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 38 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Ren W, et al. (2025) A tandem repeat atlas for the genome of inbred mouse strains: A genetic variation resource. *iScience*, 28(11), 113703.

Elshikha A, et al. (2024) Glycolysis inhibition functionally reprograms T follicular helper cells and reverses lupus. *bioRxiv : the preprint server for biology*.

Choi SC, et al. (2024) Glutaminolysis promotes the function of follicular helper T cells in lupus-prone mice. *bioRxiv : the preprint server for biology*.

Moleón J, et al. (2023) Targeting the gut microbiota with dietary fibers: a novel approach to prevent the development cardiovascular complications linked to systemic lupus erythematosus in a preclinical study. *Gut microbes*, 15(2), 2247053.

Khan AH, et al. (2023) Genetic pathways regulating the longitudinal acquisition of cocaine self-administration in a panel of inbred and recombinant inbred mice. *Cell reports*, 42(8), 112856.

Hohlbaum K, et al. (2023) The implementation of tunnel handling in a mouse breeding facility revealed strain-specific behavioural responses. *Laboratory animals*, 236772231215077.

Kraemer AN, et al. (2022) Impact of dietary vitamin D on immunoregulation and disease pathology in lupus-prone NZB/W F1 mice. *Frontiers in immunology*, 13, 933191.

Almizraq RJ, et al. (2022) (NZW × BXSB) F1 male mice: An unusual, severe and fatal mouse model of lupus erythematosus. *Frontiers in immunology*, 13, 977698.

Chen H, et al. (2022) Detection and functional resolution of soluble immune complexes by an FcγR reporter cell panel. *EMBO molecular medicine*, 14(1), e14182.

Pan F, et al. (2022) Panax notoginseng saponins reverse P-gp-mediated steroid resistance in lupus: involvement in the suppression of the SIRT1/FoxO1/MDR1 signalling pathway in lymphocytes. *BMC complementary medicine and therapies*, 22(1), 13.

- Sheppard K, et al. (2022) Stride-level analysis of mouse open field behavior using deep-learning-based pose estimation. *Cell reports*, 38(2), 110231.
- Chaudhari S, et al. (2022) Renal TLR-7/TNF- α pathway as a potential female-specific mechanism in the pathogenesis of autoimmune-induced hypertension. *American journal of physiology. Heart and circulatory physiology*, 323(6), H1331.
- Wu L, et al. (2021) EZH2 Inhibition Interferes With the Activation of Type I Interferon Signaling Pathway and Ameliorates Lupus Nephritis in NZB/NZW F1 Mice. *Frontiers in immunology*, 12, 653989.
- Morales JY, et al. (2021) Systemic Administration of $\alpha 7$ -Nicotinic Acetylcholine Receptor Ligands Does Not Improve Renal Injury or Behavior in Mice With Advanced Systemic Lupus Erythematosus. *Frontiers in medicine*, 8, 642960.
- Ott C, et al. (2021) Spontaneous Degenerative Aortic Valve Disease in New Zealand Obese Mice. *Journal of the American Heart Association*, 10(23), e023131.
- He Y, et al. (2020) Gm614 Protects Germinal Center B Cells From Death by Suppressing Caspase-1 Transcription in Lupus-Prone Mice. *Frontiers in immunology*, 11, 585726.
- Duhan V, et al. (2020) Integrin Alpha E (CD103) Limits Virus-Induced IFN-I Production in Conventional Dendritic Cells. *Frontiers in immunology*, 11, 607889.
- Doolittle ML, et al. (2020) Genetic analysis of osteoblast activity identifies Zbtb40 as a regulator of osteoblast activity and bone mass. *PLoS genetics*, 16(6), e1008805.
- Dent EL, et al. (2020) Curcumin attenuates autoimmunity and renal injury in an experimental model of systemic lupus erythematosus. *Physiological reports*, 8(13), e14501.
- Hye Khan MA, et al. (2019) Epoxyeicosatrienoic Acid Analog EET-A Blunts Development of Lupus Nephritis in Mice. *Frontiers in pharmacology*, 10, 512.