Mice homozygous for the NZM2410 lupus susceptibility QTL (Sle1, Sle2, and Sle3) develop systemic autoimmunity with fatal glomerulonephritis. Mice from this strain differ from those of NZM2410/J (Stock No. 002676) in that disease onset is slightly delayed with improved breeding and survival. This strain may be used in autoimmunity and lupus research.
Details

Important Note

Detailed Description

Mice homozygous for three NZM2410-derived lupus susceptibility QTLs (Sle1, Sle2, Sle3) on the C57BL/6J background develop a systemic autoimmunity with fatal glomerulonephritis. One hundred percent of mice die by 12 months of age. Death occurs within days of kidney failure. In the days between kidney failure and death, the mice exhibit heavy proteinuria, elevated blood urea nitrogen and generalized edema. In comparison to NZM2410 (see Stock No. 002676), disease onset in this strain is slightly delayed. With about 6% of the NZM2410 genome, BcN/LmoJ is phenotypically similar to NZM2410, but breeding and survival are improved.

Development

Control Suggestions

Selected References

Genetics

Sle2NZM2410/Aeg

Sle3NZM2410/Aeg

Sle1NZM2410/Aeg
Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

Genotyping Protocols
Standard PCR: D1Mit15-ABI
Standard PCR: D4Mit9-ABI
Standard PCR: D7Nds5-ABI

Genotyping resources and troubleshooting

Mating System
Sibling x Sibling
Appearance
Appearance: tan
Related Genotype: a\textsuperscript{a} Tyrp1\textsuperscript{b} / Tyrp1\textsuperscript{b} Oca2\textsuperscript{p} / Oca2\textsuperscript{p}

Citation
When using the B6.NZMSle1/Sle2/Sle3 mouse strain in a publication, please cite the originating article(s) and include JAX stock #007228 in your Materials and Methods section.

Animal Health Reports
Facility Barrier Level Descriptions

- AX18 (Maximum)

Pricing & Availability

Live mice available in varying quantities. Ask Customer Service for details.
**Live Mouse**

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**Related Products and Services**

Frozen Mouse Embryo B6;NZM-Sle1<NZM2410/Aeg> Sle2<NZM2410/Aeg> SI Frozen Embryos $2595.00

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Email: TechTran@jax.org

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