Overview

Also Known As: B6Smn.C3-Tnfsf6^gld/J, Fasl gld

Mice homozygous for the Fasl^gld mutation display lymphadenopathy and systemic autoimmunity similar to that in Fasl^Fr homozygous mice. Homozygotes also have an enlarged spleen, greatly increased numbers of T, B, and null lymphocytes and develop immune complex glomerulonephrosis.
<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Contact Technical Support (2018-07-27 00:00:00)</td>
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</table>

**Fasl
gld**

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spontaneous</td>
<td>Fas</td>
<td>Fas ligand (TNF superfamily, member 6)</td>
</tr>
</tbody>
</table>

**RESEARCH APPLICATIONS**

- Hematological Research
- Apoptosis Research
- Cancer Research
- Mouse/Human Gene Homologs
- Cell Biology Research
- Immunology, Inflammation and Autoimmunity Research

**BASE PRICE**

Starting at:

- $128.38 Domestic price for female 3-week

**Details**

**Detailed Description**

Mice homozygous for the Fasl
gld mutation display lymphadenopathy and systemic autoimmunity similar to that in Fasl
Dpr homozygous mice. There is significant enlargement of all lymph nodes to 50 times the control weight by 20 weeks of age. Heterozygotes also have an enlarged spleen, greatly increased numbers of T, B, and null lymphocytes and develop immune complex glomerulonephritis. Onset of symptoms is dependent on genetic background with the C3H/HeJ strain having the earliest onset exhibiting glomerulonephritis by 22 weeks. In an attempt to offer alleles on well-characterized or multiple genetic backgrounds, alleles are frequently moved to a genetic background different from that on which an allele was first characterized. This is the case for the strain above. It should be noted that the phenotype could vary from that originally described. We will modify the strain description if necessary as published results become available.

The Cryaa
lop18 mutation was identified in the C57BL/6JSn inbred strain in approximately 1991. This is at least 5 years from the date of the final (N10) backcross generation of B6Smn.C3-Fasl
gld / J. In 2003, four B6Smn.C3-Fasl
gld / J mice were assessed and the recessive lop18 phenotype was absent from all of them. This does not guarantee that the Cryaa
lop18 mutation is absent from this strain.

**Control Suggestions**
Genotyping Protocols
Restriction Enzyme Digest: Fasl<sup>uid</sup>
Pyrosequencing: ** Fasl<sup>uid</sup>F273L
Separated MCA: N<sub>1</sub> C57BL/6J
End Point Analysis: Fasl<sup>uid</sup>
Genotyping resources and troubleshooting

Dietary Information
LabDiet® 5K52 formulation (6% fat)

Breeding Considerations
This strain is a good breeder.
Additional Breeding and Husbandry Support

Mating System
Homozygote x Homozygote

Appearance
black
Related Genotype: a/a

Citation
When using the Fasl<sup>uid</sup> mouse strain in a publication, please cite the originating article(s) and include JAX stock #001021 in your Materials and Methods section.
Facility Barrier Level Descriptions
AX1 (Standard)
## Pricing & Availability

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

### Domestic

Pricing effective for USA, Canada and Mexico shipping destinations

<table>
<thead>
<tr>
<th>Age</th>
<th>Sex</th>
<th>Genotype</th>
<th>Price</th>
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<tr>
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<td>$139.18</td>
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### International

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Terms of Use
General Terms and Conditions

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Licensing Information
Phone: 207-288-6470
Email: TechTran@jax.org

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Related Strains

All