Mice homozygous for the Fasl mutation display lymphadenopathy and systemic autoimmunity similar to that in Fas homozygous mice. There is significant enlargement of all lymph nodes, an enlarged spleen, greatly increased numbers of T, B, and null lymphocytes, and these mice develop immune complex glomerulonephrosis.

### GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tbody>
<tr>
<td>Spontaneous</td>
<td></td>
</tr>
</tbody>
</table>

**Fasl<sup>gld</sup>**

- **Allele Type**: Spontaneous
- **Gene Symbol**: Fasl
- **Gene Name**: Fas ligand (TNF superfamily, member 6)

### RESEARCH APPLICATIONS

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

**BASE PRICE**

**CpT.C3-Fasl<sup>gld</sup>/J**

Stock No: 002932

Congenic, Spontaneous Mutation

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.
Mice homozygous for the $\text{Fasl}^{\text{gld}}$ mutation display lymphadenopathy and systemic autoimmunity similar to that in $\text{Fas}^{\text{lpr}}$ homozygous mice. There is significant enlargement of all lymph nodes to 50 times the control weight by 20 weeks of age. Homozygotes also have an enlarged spleen, greatly increased numbers of T, B, and null lymphocytes and develop immune complex glomerulonephrosis. 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.
Genotyping Protocols
Restriction Enzyme Digest: Fasl
Genotyping resources and troubleshooting

Appearance
albino
Related Genotype: A/A Tyrp1<sup>b</sup> / Tyrp1<sup>b</sup> Tyr<sup>c</sup> / Tyr<sup>c</sup>

Citation
When using the Cpt.C3-Fasl<sup>gld</sup>/J mouse strain in a publication, please cite the originating article(s) and include JAX stock #002932 in your Materials and Methods section.

Animal Health Reports
Facility Barrier Level Descriptions

Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, G200

Pricing & Availability

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

<table>
<thead>
<tr>
<th>SERVICE/PRODUCT</th>
<th>DESCRIPTION</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Homozygous for Fasl&lt;sup&gt;gld&lt;/sup&gt;, 1 pair minimum</td>
<td>$2,854.50</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
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<tr>
<td>RELATED PRODUCTS AND SERVICES</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Frozen Mouse Embryo  Cpt.C3-Fasl<sup>gld</sup>/J Frozen Embryos  $2595.00

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

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Related Strains

All

By Allele

By Gene

By Collection

All Related Strains

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