B6;129S2-Selp^tm1Hy/J

Stock No: 002217 | P selectin KO

Targeted Mutation

PLACE ORDER

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

Overview

Also Known As: P selectin KO

These Selp knock-out mice exhibit a number of defects in leukocyte behavior upon experimentally induced inflammation.

Donating Investigator

Dr. Richard Hynes, Massachusetts Institute of Technology

READ MORE →
GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tbody>
<tr>
<td>Selp^{Hyn}</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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<tbody>
<tr>
<td>Targeted (Null/Knockout)</td>
<td>Selp</td>
<td>selectin, platelet</td>
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</tbody>
</table>

RESEARCH APPLICATIONS
Immunology, Inflammation and Autoimmunity Research

BASE PRICE
Starting at:
$2,595.00 Domestic price Cryo Recovery

Details

Detailed Description
Mice homozygous Selp^{Hyn} targeted mutation are viable and fertile. Homozygous mutant mice show a deficit in leukocyte rolling and delayed neutrophil extravasation in response to intraperitoneal injections of thioglycollate. Neutrophil count is elevated (2-3-fold). Circulating lymphocyte and monocyte counts are normal. It can be used as model for human leukocyte adhesion deficiencies (characterized by elevated levels of circulating leukocytes and impaired leukocyte extravasation to sites of inflammation or infection).

Development

Control Suggestions

Selected References

Genetics

Selp^{Hyn}
Genotyping Protocols
Standard PCR: Selp<sup>tm1Hyn</sup>
Genotyping resources and troubleshooting

Breeding Considerations
The Selp<sup>tm1Hyn</sup> strain is maintained as a homozygote. The donating lab maintained these mice by avoiding brother-sister matings. Homozygous mice may be ordered.
Additional Breeding and Husbandry Support

Citation
When using the B6.Brdg2<sup>tam1A2A</sup>BR mouse strain in a publication, please cite the originating article(s) and include JAX stock #002217 in your Materials and Methods section.

Animal Health Reports
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>
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<tr>
<th>SERVICE</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Heterozygous for Selp&lt;sup&gt;tm1Hyn&lt;/sup&gt;</td>
<td>$2,595.00</td>
</tr>
</tbody>
</table>
We will fulfill your order by providing at least two carriers for each strain ordered. The total number, sex, and genotypes provided will vary, although typically 8 or more animals are provided. Please check genotypes which will be recovered. While the genotypes of all animals produced will be communicated to you prior to scheduling shipment, the genotypes of animals provided may not reflect the mating scheme and genotypes described in the strain description. Animals are typically ready to ship in 11-14 weeks. If a second recovery is required to produce the minimum number of animals, then delivery time would increase to approximately 25 weeks. If we fail to produce animals of the correct genotype, you will not be charged. We cannot guarantee the reproductive success of mice shipped to your facility. If the mice are lost after the first three days (post-arrival) or do not produce progeny at your facility, a new order and fee will be necessary.

Cryorecovery to establish a Dedicated Supply for greater quantities of mice. Mice recovered can be used to establish a dedicated colony to contractually supply you mice according to your requirements. Price by quotation.

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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Related Strains

All

By Allele

By Gene

By Collection

All Related Strains