B6.129S7-1cam1tm1Bay Selp tm1Bay/J

Stock No: 002285 | P-selectin/ICAM-1 double KO

🌱 Congenic Targeted Mutation

CRYO RECOVERY

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/ICAM-1 double KO
These double knock-out mice exhibit a complete loss of neutrophil emigration during S. pneumoniae-induced peritonitis.

Donating Investigator
Dr. Arthur Beaudet, Baylor College of Medicine

GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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</thead>
<tbody>
<tr>
<td>Selp^{Im1Bay}</td>
<td></td>
</tr>
<tr>
<td>Allele Type</td>
<td>Gene Symbol</td>
</tr>
<tr>
<td>Targeted (Null/Knockout)</td>
<td>Selp</td>
</tr>
<tr>
<td>Icam1^{Im1Bay}</td>
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</tr>
<tr>
<td>Allele Type</td>
<td>Gene Symbol</td>
</tr>
<tr>
<td>Targeted (Null/Knockout)</td>
<td>Icam1</td>
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RESEARCH APPLICATIONS
Immunology, Inflammation and Autoimmunity Research

BASE PRICE
Starting at:
$2,854.50 Domestic price Cryo Recovery

Details

Detailed Description
Mice homozygous for both the \( \text{Icam1}\text{ }{\text{tm1Bay}} \) and \( \text{Selp}\text{ }{\text{tm1Bay}} \) targeted mutations are viable and fertile with no obvious phenotypic abnormalities. Homozygous mice have an increased number of neutrophils in the blood and a complete loss of neutrophil emigration into the peritoneum in response to Streptococcus pneumoniae-induced peritonitis. Neutrophil emigration into the alveolar spaces in response to \( S. \text{ pneumoniae} \)-induced pneumonia is normal. In addition, circulating lymphocyte and monocyte levels are increased.

Genotyping Protocols

MELT: \( \text{Selp}\text{ }{\text{tm1Bay}} \)
Standard PCR: \( \text{Icam1}\text{ }{\text{tm1Bay}} \)
Standard PCR: \( \text{Selp}\text{ }{\text{tm1Bay}} \)
Genotyping resources and troubleshooting

Breeding Considerations

Mice homozygous for both the \( \text{Icam1}\text{ }{\text{tm1Bay}} \) and \( \text{Selp}\text{ }{\text{tm1Bay}} \) targeted mutations are viable and fertile with no obvious phenotypic abnormalities. When maintaining a live colony, mice homozygous for both targeted mutations may be bred together. The expected coat color from breeding is black.

Additional Breeding and Husbandry Support

Appearance

black
Related Genotype: a/a
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>Homozygous for Icam1&lt;tm1Bay&gt;, Homozygous for Selp&lt;tm1Bay&gt;</td>
<td>$2,854.50</td>
</tr>
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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.

Cryo recovery 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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The Jackson Laboratory has rigorous genetic quality control and mutant gene genotyping programs to ensure the genetic background of JAX® Mice strains as well as the genotypes of strains with identified molecular mutations. JAX® Mice strains are only made available to researchers after meeting our standards. However, the phenotype of each strain may not be fully characterized and/or captured in the strain data sheets. Therefore, we cannot guarantee a strain’s phenotype will meet all expectations. To ensure that JAX® Mice will meet the needs of individual research projects or when requesting a strain that is new to your research, we suggest ordering and performing tests on a small number of mice to determine suitability for your particular project.
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Licensing Information
Phone: 207-288-6470
Email: TechTran@jax.org

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**Related Strains**

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<td>By Allele</td>
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