B6.129S7-Selp\textsuperscript{tm1Bay/J}

Stock No: 002289 | P-selectin\textsuperscript{-}

- Congenic, Targeted Mutation

PLACE ORDER

3–6 week average lead time depending on quantity and age requests are not accepted

Also Known As: P-selectin\textsuperscript{-}
Mice homozygous for Selp\textsuperscript{tm1Bay} show a deficit in leukocyte rolling and delayed neutrophil extravasation in response to intraperitoneal injections of thioglycollate. The strain can be used as model for human leukocyte adhesion deficiency I syndrome.

Donating Investigator
Dr. Arthur Beaudet, Baylor College of Medicine

READ MORE +

GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td>000664 C57BL/6J</td>
<td>N10F56</td>
</tr>
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<td></td>
<td>(2018-04-02 00:00:00)</td>
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Selp\textsuperscript{tm1Bay}

<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>
</tr>
</tbody>
</table>

VIEW GENETICS

RESEARCH APPLICATIONS
Immunology, Inflammation and Autoimmunity Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE
Starting at:
Detailed Description

Mice homozygous for the Selp\(^{tm1Bay}\) 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. 60-70% reduction in neutrophil emigration into the peritoneum during Strepotoccus pneumoniae-induced peritonitis is reduced 60-70%. It can be used as model for human leukocyte adhesion deficiency I syndrome (characterized by elevated levels of circulating leukocytes and impaired leukocyte extravasation to sites of inflammation or infection).

Development

Control Suggestions

Selected References

Genetics

Selp\(^{tm1Bay}\)

Disease/Phenotype

Disease Terms

Research Areas By Genotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

Genotyping Protocols

MELT: Selp\(^{tm1Bay}\) Standard PCR: Selp\(^{tm1Bay}\)

Genotyping resources and troubleshooting
Dietary Information
LabDiet® 5K52 formulation (6% fat)

Mating System
Homozygote x Homozygote

Appearance
black
Related Genotype: a/a

Citation
When using the B-selectin™ mouse strain in a publication, please cite the originating article(s) and include JAX stock #002289 in your Materials and Methods section.

Animal Health Reports
Facility Barrier Level Descriptions
AX11 (Maximum)

Pricing & Availability

3–6 week average lead time depending on quantity and age requests are not accepted

Repository Live

<table>
<thead>
<tr>
<th>Live Mouse</th>
<th>SEX</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<tbody>
<tr>
<td>Approx 4-8 weeks</td>
<td>Female</td>
<td>Homozygous for Selp$^{tm1Bay}$</td>
<td>$255.00</td>
</tr>
<tr>
<td></td>
<td>Male</td>
<td>Homozygous for Selp$^{tm1Bay}$</td>
<td>$255.00</td>
</tr>
</tbody>
</table>

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