C57BL/KaLawRij-Sharpin<sup>cpdm</sup>/RijSunJ

**Stock No:** 007599

- Coisogenic, Spontaneous Mutation

**AVAILABLE FOR REGISTERING INTEREST**

**REGISTER INTEREST**

Please contact Technical Support for more information

**Distribution on hold due to replenishing of cryopreserved stocks.**

Mice homozygous for this spontaneous mutation develop a severe, chronic, inflammatory skin disease beginning at 3-5 weeks of age. This mutant mouse strain may be useful in studies related to eosinophilic dermatitis, inflammation and secondary lymphoid organ development.

**READ MORE +**

**GENETIC OVERVIEW**

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<th>Generation</th>
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<td>Sharpin&lt;sup&gt;cpdm&lt;/sup&gt;</td>
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**Allele Type**
- Spontaneous

**Gene Symbol**
- Sharpin

**Gene Name**
- SHANK-associated RH domain interacting protein

**VIEW GENETICS**

**RESEARCH APPLICATIONS**

- Immunology, Inflammation and Autoimmunity Research
- Dermatology Research

**VIEW ALL RESEARCH APPLICATIONS**

**Details**

**Detailed Description**

Mice homozygous for this spontaneous mutation develop a severe, chronic, inflammatory skin disease beginning at 3-5 weeks of age. Mice appear runted and life span is shortened. In addition to dermatitis, homozygotes exhibit multi-organ inflammation with
eosinophilia, defective TH1 cytokine production, splenomegaly, absent Peyer's patches (adult), diminished serum immunoglobulins, and an absence of B cell follicles, follicular dendritic cells, and germinal centers in secondary lymph organs. This mutant mouse strain may be useful in studies related to eosinophilic dermatitis, inflammation, and secondary lymphoid organ development.

Genetics

Genotyping Protocols
Pyrosequencing: Sharpin<sup>cpdm</sup>
End Point Analysis: Sharpin<sup>cpdm-EP</sup>
Genotyping resources and troubleshooting

Appearance
black
Related Genotype: a/a

Citation
When using the C57BL/KaLawRij-Sharpin<sup>cpdm</sup>/RijSun J mouse strain in a publication, please cite the originating article(s) and include JAX stock #007599 in your Materials and Methods section.

STRAIN INTEREST REGISTRATION
Please fill out the form below to indicate your interest in purchasing this JAX®Mice strain. This information helps us manage the colony build and better meet the broad needs of the research community.
Please send any technical questions to Technical Support.

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First Name

Last Name

Institution

Phone Number

Email

Interest

Please indicate your approximate levels of interest. You can add another line by selecting “Add More Interest”.

Number of Mice

Frequency

Product

Comment

Frequency...

Products...

ADD MORE INTEREST

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Phone: 207-288-6470

Email: TechTran@jax.org

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All

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