Overview

Also Known As: Apo A1

APOA1 protein is absent in Apo A-1 KO mice and they are useful in studies determining cholesterol homeostasis relating to atherosclerosis.

Donating Investigator

Dr. Nobuyo Maeda, University of North Carolina at Chapel Hill
Mice homozygous for the \textit{Apoa1}^{tm1Unc} targeted mutation have no APOA1 protein in their plasma. They have severely reduced levels of plasma cholesterol and HDL-cholesterol after overnight fasting. They also show a deficiency in alpha-migrating HDL particles. The \textit{Apoa1}^{tm1Unc} mutant mice appear to develop normally.
Genotyping Protocols
Standard PCR: ApoA1\textsuperscript{tm1Unc}

Genotyping resources and troubleshooting

Dietary Information
LabDiet\textsuperscript{®} 5K52 formulation (6% fat)

Breeding Considerations
This ApoA1\textsuperscript{tm1Unc} strain is maintained by homozygous sibling matings. Homozygous mice may be ordered. Expected coat color from breeding: Black

Additional Breeding and Husbandry Support

Mating System
Homozygote x Homozygote

Appearance
black

Related Genotype: \textit{a/a}

Citation

When using the Apo A1\textsuperscript{tm1Unc} mouse strain in a publication, please cite the originating article(s) and include JAX stock #002055 in your Materials and Methods section.

Animal Health Reports

Facility Barrier Level Descriptions

\texttt{AX11 (Maximum)}

Pricing & Availability

Live mice available in varying quantities. Ask Customer Service for details.

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