

Mouse Medium-chain specific acyl-CoA dehydrogenase, mitochondrial ELISA Kit | Acadm elisa kit

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CATALOG # AAA194205	REACTIVITY Mouse
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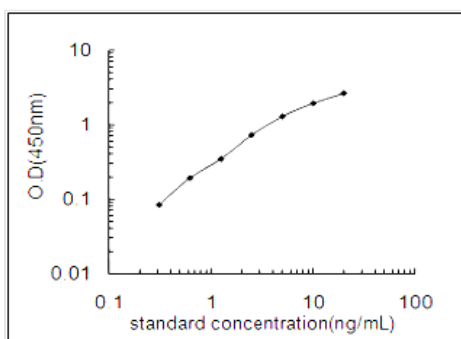
PRODUCT SYNONYMS

Medium-chain specific acyl-CoA dehydrogenase; mitochondrial; Mouse Medium-chain specific acyl-CoA dehydrogenase; mitochondrial ELISA Kit; MCAD; Acadm; 1.3.8.7; Acadm elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay recognizes recombinant and natural mouse MCAD. No significant cross-reactivity or interference was observed.
Sequence Length	421
Assay Type	Sandwich
Detection Range	0.312-20 ng/mL
Sensitivity	0.156 ng/mL
Intra-Assay CV	<=6.1%
Inter-Assay CV	<=8.7%
Recovery	105%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Acadm elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of mouse MCAD concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MCAD. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for MCAD and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain MCAD, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of MCAD in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6680618
NCBI GeneID	11364
NCBI Accession #	NP_031408.1
NCBI GenBank Nucleotide #	NM_007382.5
UniProt Accession #	P45952; Q64235
Molecular Weight	46,481 Da
NCBI Official Full Name	medium-chain specific acyl-CoA dehydrogenase, mitochondrial
NCBI Official Synonym Full Names	acyl-Coenzyme A dehydrogenase, medium chain
NCBI Official Symbol	Acadm
NCBI Official Synonym Symbols	MCAD; AU018656
NCBI Protein Information	medium-chain specific acyl-CoA dehydrogenase, mitochondrial
UniProt Protein Name	Medium-chain specific acyl-CoA dehydrogenase, mitochondrial
UniProt Gene Name	Acadm
UniProt Synonym Gene Names	MCAD
UniProt Entry Name	ACADM_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/acadm-mouse-elisa-kits/medium-chain-specific-acyl-coa-dehydrogenase-mitochondrial/194205>