

Human Medium chain specific acyl CoA dehydrogenase, mitochondrial (ACADM) ELISA Kit | ACADM elisa kit

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CATALOG #
AAA246221

REACTIVITY
Human

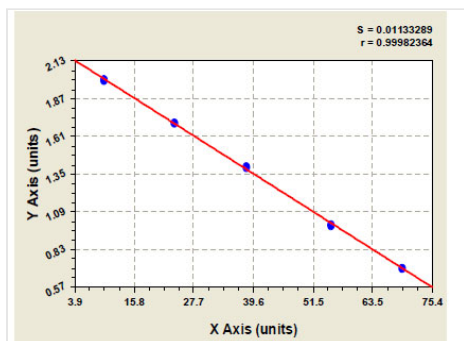
PRODUCT SYNONYMS

Medium chain specific acyl CoA dehydrogenase; mitochondrial (ACADM); Human Medium chain specific acyl CoA dehydrogenase; mitochondrial (ACADM) ELISA Kit; ACADM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACADM elisa kit	Intended Uses: This ACADM ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ACADM. This ELISA kit for research use only! Principle of the Assay ACADM ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-ACADM antibody and an ACADM-HRP conjugate. The assay sample and buffer are incubated together with ACADM-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ACADM concentration since ACADM from samples and ACADM-HRP conjugate compete for the anti-ACADM antibody binding site. Since the number of sites is limited, as more sites are occupied by ACADM from the sample, fewer sites are left to bind ACADM-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ACADM concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	187960098
NCBI GeneID	34
NCBI Accession #	NP_001120800.1
NCBI GenBank Nucleotide #	NM_001127328.2
Molecular Weight	47,020 Da
NCBI Official Full Name	medium-chain specific acyl-CoA dehydrogenase, mitochondrial isoform b
NCBI Official Synonym Full Names	acyl-CoA dehydrogenase, C-4 to C-12 straight chain
NCBI Official Symbol	ACADM
NCBI Official Synonym Symbols	MCAD; ACAD1; MCADH
NCBI Protein Information	medium-chain specific acyl-CoA dehydrogenase, mitochondrial; acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain
UniProt Protein Name	Medium-chain specific acyl-CoA dehydrogenase, mitochondrial
UniProt Gene Name	ACADM
UniProt Synonym Gene Names	MCAD
UniProt Entry Name	ACADM_HUMAN

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.