

Mouse Long-chain specific acyl-CoA dehydrogenase, mitochondrial (ACADL) ELISA Kit | ACADL elisa kit

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CATALOG #
AAA247085

REACTIVITY
Mouse

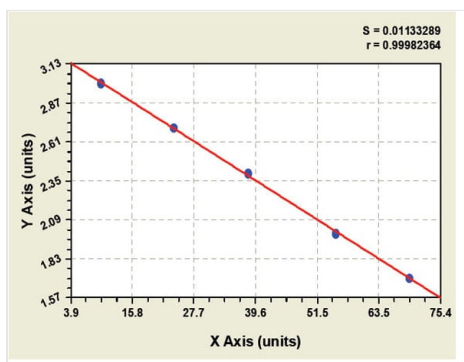
PRODUCT SYNONYMS

Long-chain specific acyl-CoA dehydrogenase; mitochondrial (ACADL); Mouse Long-chain specific acyl-CoA dehydrogenase; mitochondrial (ACADL) ELISA Kit; ACADL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Intended Uses	This ACADL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ACADL. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACADL elisa kit	Principle of the assay: ACADL ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ACADL antibody and an ACADL-HRP conjugate. The assay sample and buffer are incubated together with ACADL-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 ACADL concentration since ACADL from samples and ACADL-HRP conjugate compete for the anti-ACADL antibody binding site. Since the number of sites is limited, as more sites are occupied by ACADL from the sample, fewer sites are left to bind ACADL-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ACADL concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4501857
NCBI GeneID	33
NCBI Accession #	NP_001599.1
NCBI GenBank Nucleotide #	NM_001608.3
Molecular Weight	47,656 Da
NCBI Official Full Name	long-chain specific acyl-CoA dehydrogenase, mitochondrial
NCBI Official Synonym Full Names	acyl-CoA dehydrogenase, long chain
NCBI Official Symbol	ACADL
NCBI Official Synonym Symbols	LCAD; ACAD4
NCBI Protein Information	long-chain specific acyl-CoA dehydrogenase, mitochondrial; acyl-Coenzyme A dehydrogenase, long chain
UniProt Protein Name	Long-chain specific acyl-CoA dehydrogenase, mitochondrial
UniProt Gene Name	ACADL
UniProt Synonym Gene Names	LCAD
UniProt Entry Name	ACADL_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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/long-chain-specific-acyl-coa-dehydrogenase-mitochondrial-acadl/247085>