

Mouse Acyl Coenzyme A Dehydrogenase, C2-To-C3 Short Chain ELISA Kit | ACADS elisa kit

Mouse Acyl Coenzyme A Dehydrogenase, C2-To-C3 Short Chain (ACADS) (Sandwich ELISA) ELISA Kit

CATALOG # AAA190091	REACTIVITY Mouse
-------------------------------	----------------------------

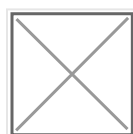
PRODUCT SYNONYMS

Acyl Coenzyme A Dehydrogenase; C2-To-C3 Short Chain; Mouse Acyl Coenzyme A Dehydrogenase; C2-To-C3 Short Chain (ACADS) (Sandwich ELISA) ELISA Kit; SCAD; ACAD3; Butyryl-CoA dehydrogenase; Short-chain specific acyl-CoA dehydrogenase; mitochondrial; ELISA Kit for Acyl Coenzyme A Dehydrogenase; C2-To-C3 Short Chain (ACADS); ACADS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Acyl Coenzyme A Dehydrogenase, C2-To-C3 Short Chain (ACADS). No significant cross-reactivity or interference between Acyl Coenzyme A Dehydrogenase, C2-To-C3 Short Chain (ACADS) and analogues was observed. Reactive with Mouse ACADS / Acyl Coenzyme A Dehydrogenase, C2-To-C3 Short Chain
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.067ng/mL
Detection Method	Colormetric
Assay Precision	Intra-Assay: CV<10%, Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

Typical Standard Curve for ACADS ELISA (Sandwich)

ADDITIONAL INFORMATION

Related Product Information for ACADS elisa kit	Principle of the Assay The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Acyl Coenzyme A Dehydrogenase, C2-To-C3 Short Chain (ACADS). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Acyl Coenzyme A Dehydrogenase, C2-To-C3 Short Chain (ACADS). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Acyl Coenzyme A Dehydrogenase, C2-To-C3 Short Chain (ACADS), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Acyl Coenzyme A Dehydrogenase, C2-To-C3 Short Chain (ACADS) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for ACADS elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	31982522
NCBI GeneID	11409
NCBI Accession #	NP_031409.2
NCBI GenBank Nucleotide #	NM_007383.3
UniProt Accession #	Q07417; Q91W85
Molecular Weight	44,890 Da
NCBI Official Full Name	short-chain specific acyl-CoA dehydrogenase, mitochondrial
NCBI Official Synonym Full Names	acyl-Coenzyme A dehydrogenase, short chain
NCBI Official Symbol	Acads
NCBI Official Synonym Symbols	Bcd1; SCAD; Bcd-1; Hdlq8; AI196007
NCBI Protein Information	short-chain specific acyl-CoA dehydrogenase, mitochondrial; butyryl-CoA dehydrogenase
UniProt Protein Name	Short-chain specific acyl-CoA dehydrogenase, mitochondrial
UniProt Gene Name	Acads
UniProt Synonym Gene Names	SCAD
UniProt Entry Name	ACADS_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.