

Human Short/Branched Chain Specific Acyl-CoA Dehydrogenase, Mitochondrial (ACADSB) ELISA Kit | SBCAD elisa kit

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CATALOG # AAA331066	REACTIVITY Human
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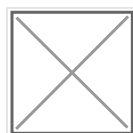
PRODUCT SYNONYMS

Short/Branched Chain Specific Acyl-CoA Dehydrogenase; Mitochondrial (ACADSB); Human Short/Branched Chain Specific Acyl-CoA Dehydrogenase; Mitochondrial (ACADSB) ELISA Kit; ACADSB; 2-MEBCAD; ACAD7; 2-methyl branched chain acyl-CoA dehydrogenase; 2-methylbutyryl-CoA dehydrogenase; SBCAD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Short/branched chain specific acyl-CoA dehydrogenase, mitochondrial (ACADSB) ELISA Kit has high sensitivity and excellent specificity for detection of Human ACADSB. No significant cross-reactivity or interference between Human ACADSB and analogues was observed.
Sequence Length	432
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Short/branched chain specific acyl-CoA dehydrogenase, mitochondrial (ACADSB) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SBCAD elisa kit	Description: This Human Short/branched chain specific acyl-CoA dehydrogenase, mitochondrial (ACADSB) ELISA Kit employs a two-site sandwich ELISA to quantitate ACADSB in samples. An antibody specific for ACADSB has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ACADSB present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ACADSB is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ACADSB bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Short/branched chain acyl-CoA dehydrogenase(ACADSB) is a member of the acyl-CoA dehydrogenase family of enzymes that catalyze the dehydrogenation of acyl-CoA derivatives in the metabolism of fatty acids or branch chained amino acids. Substrate specificity is the primary characteristic used to define members of this gene family. The ACADSB gene product has the greatest activity towards the short branched chain acyl-CoA derivative, (S)-2-methylbutyryl-CoA, but also reacts significantly with other 2-methyl branched chain substrates and with short straight chain acyl-CoAs. The cDNA encodes for a mitochondrial precursor protein which is cleaved upon mitochondrial import and predicted to yield a mature peptide of approximately 43.7-KDa
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1168283
NCBI GeneID	36
UniProt Accession #	P45954
NCBI Official Full Name	Short/branched chain specific acyl-CoA dehydrogenase, mitochondrial
NCBI Official Synonym Full Names	acyl-CoA dehydrogenase short/branched chain
NCBI Official Symbol	ACADSB
NCBI Official Synonym Symbols	ACAD7; SBCAD; 2-MEBCAD
NCBI Protein Information	short/branched chain specific acyl-CoA dehydrogenase, mitochondrial
UniProt Protein Name	Short/branched chain specific acyl-CoA dehydrogenase, mitochondrial
UniProt Gene Name	ACADSB
UniProt Synonym Gene Names	SBCAD; 2-MEBCAD; 2-methylbutyryl-CoA dehydrogenase
UniProt Entry Name	ACDSB_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/sbcad-human-elisa-kits/short-branched-chain-specific-acyl-coa-dehydrogenase-mitochondrial-acadsb/331066>