

Mouse Acetyl-coenzyme A synthetase 2-like, mitochondrial (ACSS1) ELISA Kit | ACSS1 elisa kit

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CATALOG # AAA244485	REACTIVITY Mouse
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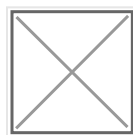
PRODUCT SYNONYMS

Acetyl-coenzyme A synthetase 2-like; mitochondrial (ACSS1); Mouse Acetyl-coenzyme A synthetase 2-like; mitochondrial (ACSS1) ELISA Kit; ACSS1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ACSS1. No significant cross-reactivity or interference between ACSS1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ACSS1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACSS1 elisa kit	<p>Intended Uses: This ACSS1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ACSS1. This ELISA kit for research use only, not for therapeutic or test applications!</p> <p>Principle of the Assay: ACSS1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ACSS1 antibody and an ACSS1-HRP conjugate. The assay sample and buffer are incubated together with ACSS1-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 ACSS1 concentration since ACSS1 from samples and ACSS1-HRP conjugate compete for the anti-ACSS1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ACSS1 from the sample, fewer sites are left to bind ACSS1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ACSS1 concentration in each sample is interpolated from this standard curve.</p>
Product Categories/Family for ACSS1 elisa kit	Cell Markers

NCBI AND UNIPROT INFORMATION

NCBI GI #	28416953
NCBI GeneID	84532
NCBI Accession #	NP_115890.2
NCBI GenBank Nucleotide #	NM_032501.3
Molecular Weight	62,688 Da
NCBI Official Full Name	acetyl-coenzyme A synthetase 2-like, mitochondrial isoform 1
NCBI Official Synonym Full Names	acyl-CoA synthetase short-chain family member 1
NCBI Official Symbol	ACSS1
NCBI Official Synonym Symbols	ACAS2L; ACECS1; AceCS2L
NCBI Protein Information	acetyl-coenzyme A synthetase 2-like, mitochondrial; acetate--CoA ligase 2
UniProt Protein Name	Acetyl-coenzyme A synthetase 2-like, mitochondrial
UniProt Gene Name	ACSS1
UniProt Synonym Gene Names	ACAS2L; KIAA1846; AceCS2
UniProt Entry Name	ACS2L_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/acetyl-coenzyme-a-synthetase-2-like-mitochondrial-acss1/244485>