

Human ACSS1 (Acyl-CoA synthetase short-chain family member 1) ELISA Kit | ACSS1 elisa kit

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CATALOG # AAA248817	REACTIVITY Human
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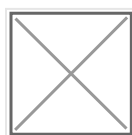
PRODUCT SYNONYMS

ACSS1 (Acyl-CoA synthetase short-chain family member 1); Human ACSS1 (Acyl-CoA synthetase short-chain family member 1) ELISA Kit; ACSS1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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.
Sequence Length	687
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ACSS1 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ACSS1 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACSS1 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-ACSS1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- ACSS1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the ACSS1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of ACSS1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	32967649
NCBI GeneID	84532
Molecular Weight	62,688 Da
NCBI Official Full Name	Acyl-CoA synthetase short-chain family member 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
UniProt Protein Name	Acetyl-coenzyme A synthetase 2-like, mitochondrial
UniProt Gene Name	ACSS1
UniProt Synonym Gene Names	ACAS2L; KIAA1846; AceCS2

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/human-elisa-kits/acss1-acyl-coa-synthetase-short-chain-family-member-1/248817>