

Human Acyl Coenzyme A Synthetase Short Chain Family, Member 2 (ACSS2) ELISA Kit | ACSS2 elisa kit

Human Acyl Coenzyme A Synthetase Short Chain Family, Member 2 (ACSS2)(Sandwich ELISA) ELISA Kit

CATALOG # AAA189561	REACTIVITY Human	APPLICATIONS ELISA
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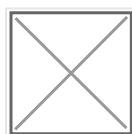
PRODUCT SYNONYMS

Acyl Coenzyme A Synthetase Short Chain Family; Member 2 (ACSS2); Human Acyl Coenzyme A Synthetase Short Chain Family; Member 2 (ACSS2)(Sandwich ELISA) ELISA Kit; ELISA Kit for Acyl Coenzyme A Synthetase Short Chain Family; ACSS2/Acyl Coenzyme A Synthetase Short Chain Family; Member 2; ACS; ACAS2; ACSA; AceCS; MYH7B; Acetyl-Coenzyme A Synthetase 2(ADP Forming); Acyl-activating enzyme; ACSS2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ACSS2. No significant cross-reactivity or interference between ACSS2 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates and other biological fluids
Detection Range	78-5,000pg/mL
Sensitivity	< 29pg/mL
Applicable Applications for ACSS2 elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ACSS2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ACSS2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/ -20 degree C for long-term (within shelf life). The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACSS2 elisa kit	<p>Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to ACSS2. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to ACSS2. 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 ACSS2, 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 ACSS2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> <p>Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ACSS2 in human tissue homogenates, cell lysates and other biological fluids.</p>
Product Categories/Family for ACSS2 elisa kit	Enzyme & Kinase; Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	253970489
NCBI GeneID	55902
NCBI Accession #	NP_001070020.2
NCBI GenBank Nucleotide #	NM_001076552.2
UniProt Accession #	Q9NR19; Q5QPH2; Q5QPH3; Q8N238; Q96ELO; Q9NQP7; Q9UJ15; A6NE90
Molecular Weight	78,580 Da
NCBI Official Full Name	acetyl-coenzyme A synthetase, cytoplasmic isoform 2
NCBI Official Synonym Full Names	acyl-CoA synthetase short-chain family member 2
NCBI Official Symbol	ACSS2
NCBI Official Synonym Symbols	ACS; ACSA; ACAS2; ACECS; dJ1161H23.1
NCBI Protein Information	acetyl-coenzyme A synthetase, cytoplasmic; acetate thiokinase; acetate-CoA ligase; acyl-activating enzyme; cytoplasmic acetyl-coenzyme A synthetase; acetyl-Coenzyme A synthetase 2 (ADP forming)
UniProt Protein Name	Acetyl-coenzyme A synthetase, cytoplasmic
UniProt Gene Name	ACSS2
UniProt Synonym Gene Names	ACAS2; ACS; AceCS
UniProt Entry Name	ACSA_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/human-elisa-kits/acyl-coenzyme-a-synthetase-short-chain-family-member-2-acss2/189561>