

Mouse Acetyl-coenzyme A synthetase, cytoplasmic (ACSS2) ELISA Kit | ACSS2 elisa kit

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CATALOG #
AAA244269

REACTIVITY
Mouse

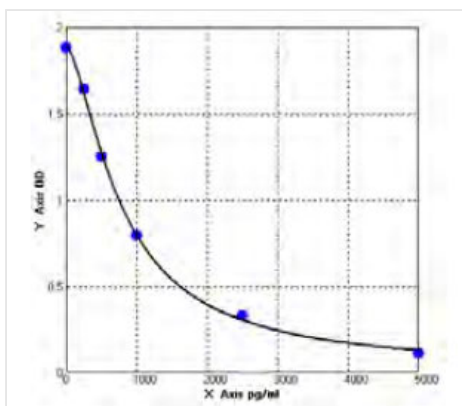
PRODUCT SYNONYMS

Acetyl-coenzyme A synthetase; cytoplasmic (ACSS2); Mouse Acetyl-coenzyme A synthetase; cytoplasmic (ACSS2) ELISA Kit; ACSS2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ACSS2 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 ACSS2 elisa kit	Intended Uses: This ACSS2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ACSS2. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: ACSS2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ACSS2 antibody and an ACSS2-HRP conjugate. The assay sample and buffer are incubated together with ACSS2-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 ACSS2 concentration since ACSS2 from samples and ACSS2-HRP conjugate compete for the anti-ACSS2 antibody binding site. Since the number of sites is limited, as more sites are occupied by ACSS2 from the sample, fewer sites are left to bind ACSS2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ACSS2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for ACSS2 elisa kit	Cell Markers

NCBI AND UNIPROT INFORMATION

NCBI GI #	253970489
NCBI GeneID	55902
NCBI Accession #	NP_001070020.2
NCBI GenBank Nucleotide #	NM_001076552.2
Molecular Weight	80,087 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/mouse-elisa-kits/acetyl-coenzyme-a-synthetase-cytoplasmic-acss2/244269>