Human Acyl Coenzyme A Synthetase Long Chain Family, Member 3 (ACSL3) ELISA Kit | ACSL3 elisa kit

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CATALOG #	REACTIVITY
AAA188227	**Human**

PRODUCT SYNONYMS

Acyl Coenzyme A Synthetase Long Chain Family; Member 3 (ACSL3); Human Acyl Coenzyme A Synthetase Long Chain Family; Member 3 (ACSL3) ELISA Kit; ACS3; FACL3; LACS3; Fatty-Acid-Coenzyme A Ligase;Long-Chain 3; Long-chain acyl-CoA synthetase 3; ACSL3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ACSL3. No significant cross-reactivity or interference between ACSL3 and analogues was observed.
Sequence Length	720
Samples	Human tissue homogenates, cell lysates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	78-5,000pg/mL
Sensitivity	< 31pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ACSL3 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 ACSL3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	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 ACSL3 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ACSL3 in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to ACSL3. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to ACSL3. 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 ACSL3, 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 ACSL3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	42794752
NCBI GeneID	2181
NCBI Accession #	NP_004448.2
NCBI GenBank Nucleotide #	NP_004448.2
UniProt Accession #	O95573
NCBI Official Full Name	long-chain-fatty-acid--CoA ligase 3
NCBI Official Synonym Full Names	acyl-CoA synthetase long chain family member 3
NCBI Official Symbol	ACSL3
NCBI Official Synonym Symbols	ACS3; FACL3; LACS3; LACS 3; PRO2194
NCBI Protein Information	long-chain-fatty-acid--CoA ligase 3
UniProt Protein Name	Long-chain-fatty-acid--CoA ligase 3
UniProt Gene Name	**ACSL3**
UniProt Synonym Gene Names	ACS3; FACL3; LACS3; LACS 3

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-long-chain-family-member-3-acsl3/188227