

Human Acyl Coenzyme A Synthetase Long Chain Family, Member 4 (ACSL4) ELISA Kit | ACSL4 elisa kit

Human Acyl Coenzyme A Synthetase Long Chain Family, Member 4 (ACSL4)(Sandwich ELISA) ELISA Kit

CATALOG # AAA150919	REACTIVITY Human	APPLICATIONS ELISA
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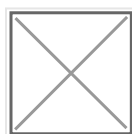
PRODUCT SYNONYMS

Acyl Coenzyme A Synthetase Long Chain Family; Member 4 (ACSL4); Human Acyl Coenzyme A Synthetase Long Chain Family; Member 4 (ACSL4)(Sandwich ELISA) ELISA Kit; ELISA Kit for Acyl Coenzyme A Synthetase Long Chain Family; ACSL4/Acyl Coenzyme A Synthetase Long Chain Family; Member 4; ACS4; FACL4; LACS4; MRX63; MRX68; Fatty-Acid-Coenzyme A Ligase; Long-Chain 4; Mental Retardation; X-Linked 63; Lignoceroyl-CoA Synthase; ACSL4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ACSL4. No significant cross-reactivity or interference between ACSL4 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.064ng/mL
Applicable Applications for ACSL4 elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ACSL4 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 ACSL4 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 ACSL4 elisa kit	<p>Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to ACSL4. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to ACSL4. 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 ACSL4, 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 $\pm$ 10nm. The concentration of ACSL4 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 ACSL4 in human tissue homogenates, cell lysates and other biological fluids.</p>
Product Categories/Family for ACSL4 elisa kit	Enzyme & Kinase; Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758332
NCBI GeneID	2182
NCBI Accession #	NP_004449.1
NCBI GenBank Nucleotide #	NM_004458.2
UniProt Accession #	O60488; O60848; O60849; Q5JWV8; D3DUY2
Molecular Weight	74,436 Da
NCBI Official Full Name	long-chain-fatty-acid--CoA ligase 4 isoform 1
NCBI Official Synonym Full Names	acyl-CoA synthetase long-chain family member 4
NCBI Official Symbol	ACSL4
NCBI Official Synonym Symbols	ACS4; FACL4; LACS4; MRX63; MRX68
NCBI Protein Information	long-chain-fatty-acid--CoA ligase 4; LACS 4; acyl-CoA synthetase 4; lignoceroyl-CoA synthase; long-chain acyl-CoA synthetase 4; long-chain fatty-acid-Coenzyme A ligase 4; fatty-acid-Coenzyme A ligase, long-chain 4
UniProt Protein Name	Long-chain-fatty-acid--CoA ligase 4
UniProt Gene Name	ACSL4
UniProt Synonym Gene Names	ACS4; FACL4; LACS4; LACS 4
UniProt Entry Name	ACSL4_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-long-chain-family-member-4-acsl4/150919>