

Human ACSL4 (Long-chain-fatty-acid--CoA ligase 4) ELISA Kit | ACSL4/FACL4 elisa kit

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CATALOG #
AAA250574

REACTIVITY
Human

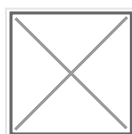
PRODUCT SYNONYMS

ACSL4 (Long-chain-fatty-acid--CoA ligase 4); Human ACSL4 (Long-chain-fatty-acid--CoA ligase 4) ELISA Kit; Long-chain-fatty-acid--CoA ligase 4; Arachidonate--CoA ligase; Long-chain acyl-CoA synthetase 4 (LACS 4); ACSL4; ACSL4/FACL4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize ACSL4/FACL4, no obvious cross reaction with other analogues
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
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 ACSL4/FACL4 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti ACSL4/FACL4 antibody was pre-coated onto the 96-well plate. The biotin conjugated anti ACSL4/FACL4 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with ACSL4/FACL4 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of ACSL4/FACL4 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.

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/acsl4-facl4-human-elisa-kits/acsl4-long-chain-fatty-acid-coa-ligase-4/250574>