

Rat Elongation Of Very Long Chain Fatty Acids Like Protein 1 (ELOVL1) ELISA Kit | ELOVL1 elisa kit

Rat Elongation Of Very Long Chain Fatty Acids Like Protein 1 (ELOVL1) ELISA Kit

CATALOG #

AAA66959

REACTIVITY

Rat

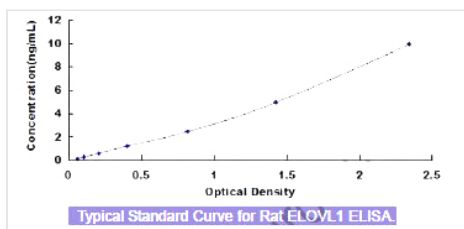
PRODUCT SYNONYMS

Elongation Of Very Long Chain Fatty Acids Like Protein 1 (ELOVL1); Rat Elongation Of Very Long Chain Fatty Acids Like Protein 1 (ELOVL1) ELISA Kit; Ssc1; 3-keto acyl-CoA synthase ELOVL1; ELOVL fatty acid elongase 1; Very-long-chain 3-oxoacyl-CoA synthase 1; ELOVL1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of ELOVL1. No significant cross-reactivity or interference between ELOVL1 and analogues was observed.
Sequence Length	279
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.054ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ELOVL1 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 ELOVL1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ELOVL1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ELOVL1 in rat Tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ELOVL1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ELOVL1. 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 ELOVL1, 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 ELOVL1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	112984096
NCBI GeneID	679532
NCBI Accession #	NP_001037740.1
NCBI GenBank Nucleotide #	NM_001044275.1
UniProt Accession #	Q5U2Z8
Molecular Weight	32,639 Da
NCBI Official Full Name	elongation of very long chain fatty acids protein 1
NCBI Official Synonym Full Names	ELOVL fatty acid elongase 1
NCBI Official Symbol	Elov1
NCBI Protein Information	elongation of very long chain fatty acids protein 1
UniProt Protein Name	Elongation of very long chain fatty acids protein 1
UniProt Gene Name	Elov1
UniProt Synonym Gene Names	ELOVL FA elongase 1

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/rat-elisa-kits/elongation-of-very-long-chain-fatty-acids-like-protein-1-elov1/66959>