

Human Serine Palmitoyltransferase, Long Chain Base Subunit 3 (SPTLC3) ELISA Kit | SPTLC3 elisa kit

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CATALOG # AAA63800	REACTIVITY Human
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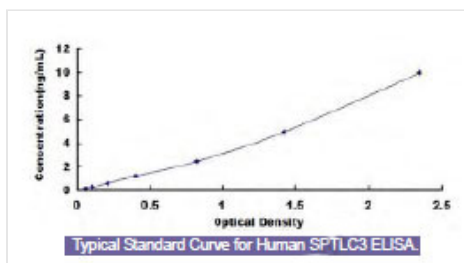
PRODUCT SYNONYMS

Serine Palmitoyltransferase; Long Chain Base Subunit 3 (SPTLC3); Human Serine Palmitoyltransferase; Long Chain Base Subunit 3 (SPTLC3) ELISA Kit; SPTLC2L; SPT 3; LCB 3; C20orf38; Aminotransferase 2; Serine-palmitoyl-CoA transferase 3; Long chain base biosynthesis protein 3; SPTLC3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SPTLC3. No significant cross-reactivity or interference between SPTLC3 and analogues was observed.
Sequence Length	552
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.058ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SPTLC3 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 SPTLC3 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 SPTLC3 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of SPTLC3 in human tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to SPTLC3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to SPTLC3. 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 SPTLC3, 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 SPTLC3 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 #	119220554
NCBI GeneID	55304
NCBI Accession #	NP_060797.2
NCBI GenBank Nucleotide #	NM_018327.2
UniProt Accession #	Q9NUV7; Q05DQ8; Q5T1U4; Q9H1L1; Q9H1Z0; A2A2I4; B9EK64
Molecular Weight	19,693 Da
NCBI Official Full Name	serine palmitoyltransferase 3
NCBI Official Synonym Full Names	serine palmitoyltransferase long chain base subunit 3
NCBI Official Symbol	SPTLC3
NCBI Official Synonym Symbols	LCB3; SPT3; LCB2B; hLCB2b; SPTLC2L; C20orf38; dJ718P11; dJ718P11.1
NCBI Protein Information	serine palmitoyltransferase 3
UniProt Protein Name	Serine palmitoyltransferase 3
UniProt Gene Name	SPTLC3
UniProt Synonym Gene Names	C20orf38; SPTLC2L; LCB2b; LCB 3; SPT 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/serine-palmitoyltransferase-long-chain-base-subunit-3-sptlc3/63800>