

Mouse Serine Palmitoyltransferase, Long Chain Base Subunit 1 (SPTLC1) ELISA Kit | SPTLC1 elisa kit

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CATALOG #
AAA138882

REACTIVITY
Mouse

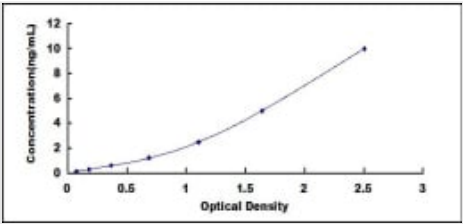
PRODUCT SYNONYMS

Serine Palmitoyltransferase; Long Chain Base Subunit 1 (SPTLC1); Mouse Serine Palmitoyltransferase; Long Chain Base Subunit 1 (SPTLC1) ELISA Kit; HSAN; HSAN1; HSN1; LCB1; LCB1; SPT1; SPT1; Hereditary Sensory Neuropathy; Type 1; Long chain base biosynthesis protein 1; Serine-palmitoyl-CoA transferase 1; SPTLC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Serine Palmitoyltransferase, Long Chain Base Subunit 1 (SPTLC1). No significant cross-reactivity or interference between Serine Palmitoyltransferase, Long Chain Base Subunit 1 (SPTLC1) and analogues was observed.
Sequence Length	143
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.054ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Serine Palmitoyltransferase, Long Chain Base Subunit 1 (SPTLC1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Serine Palmitoyltransferase, Long Chain Base Subunit 1 (SPTLC1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 SPTLC1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Serine Palmitoyltransferase, Long Chain Base Subunit 1 (SPTLC1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Serine Palmitoyltransferase, Long Chain Base Subunit 1 (SPTLC1). 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 Serine Palmitoyltransferase, Long Chain Base Subunit 1 (SPTLC1), 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 Serine Palmitoyltransferase, Long Chain Base Subunit 1 (SPTLC1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for SPTLC1 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	13937948
NCBI GeneID	10558
UniProt Accession #	O15269; Q5VWB4; Q96IX6; A8K681
Molecular Weight	16,073 Da
NCBI Official Full Name	Serine palmitoyltransferase, long chain base subunit 1
NCBI Official Synonym Full Names	serine palmitoyltransferase, long chain base subunit 1
NCBI Official Symbol	SPTLC1
NCBI Official Synonym Symbols	HSN1; LBC1; LCB1; SPT1; SPTI; HSN1
NCBI Protein Information	serine palmitoyltransferase 1
UniProt Protein Name	Serine palmitoyltransferase 1
UniProt Gene Name	SPTLC1
UniProt Synonym Gene Names	LCB1; LCB 1; SPT 1; SPT1
UniProt Entry Name	SPTC1_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.