

Mouse Serine Palmitoyltransferase, Long Chain Base Subunit 2 (SPTLC2) ELISA Kit | SPTLC2 elisa kit

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CATALOG #
AAA187247

REACTIVITY
Mouse

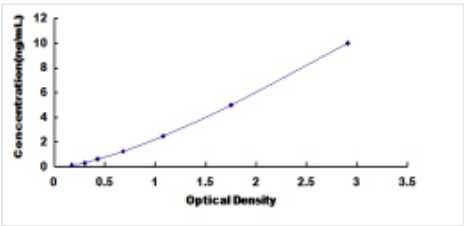
PRODUCT SYNONYMS

Serine Palmitoyltransferase; Long Chain Base Subunit 2 (SPTLC2); Mouse Serine Palmitoyltransferase; Long Chain Base Subunit 2 (SPTLC2) ELISA Kit; LCB2; SPT2; Long chain base biosynthesis protein 2; Serine-palmitoyl-CoA transferase 2; SPTLC2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Serine Palmitoyltransferase, Long Chain Base Subunit 2 (SPTLC2). No significant cross-reactivity or interference between Serine Palmitoyltransferase, Long Chain Base Subunit 2 (SPTLC2) and analogues was observed.
Sequence Length	562
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/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 2 (SPTLC2) 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 2 (SPTLC2) 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 SPTLC2 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 2 (SPTLC2). 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 2 (SPTLC2). 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 2 (SPTLC2), 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 2 (SPTLC2) 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 #	13477299
NCBI GeneID	9517
UniProt Accession #	O15270; Q16685
Molecular Weight	62,924 Da
NCBI Official Full Name	Serine palmitoyltransferase, long chain base subunit 2
NCBI Official Synonym Full Names	serine palmitoyltransferase long chain base subunit 2
NCBI Official Symbol	SPTLC2
NCBI Official Synonym Symbols	LCB2; SPT2; HSN1C; LCB2A; NSAN1C; hLCB2a
NCBI Protein Information	serine palmitoyltransferase 2
UniProt Protein Name	Serine palmitoyltransferase 2
UniProt Gene Name	SPTLC2
UniProt Synonym Gene Names	KIAA0526; LCB2; LCB 2; LCB2a; SPT 2

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/mouse-elisa-kits/serine-palmitoyltransferase-long-chain-base-subunit-2-sptlc2/187247>