

Mouse Serine Palmitoyltransferase 1 (SPTLC1) ELISA Kit | SPTLC1 elisa kit

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CATALOG #
AAA332262

REACTIVITY
Mouse

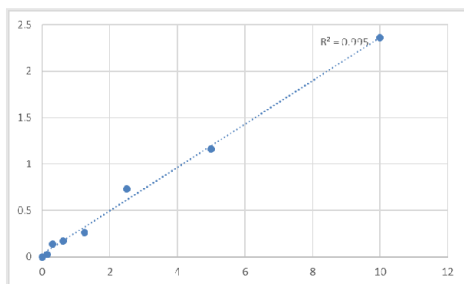
PRODUCT SYNONYMS

Serine Palmitoyltransferase 1 (SPTLC1); Mouse Serine Palmitoyltransferase 1 (SPTLC1) ELISA Kit; SPTLC1; HSAN; HSAN1; HSN1; LBC1; LCB1; MGC14645; SPT1; SPTI; long chain base biosynthesis protein 1; serine C-palmitoyltransferase; serine palmitoyltransferase subunit 1; serine-palmitoyl-CoA transferase 1; SPTLC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Serine palmitoyltransferase 1 (SPTLC1) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse SPTLC1. No significant cross-reactivity or interference between Mouse SPTLC1 and analogues was observed.
Sequence Length	473
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Mouse Serine palmitoyltransferase 1 (SPTLC1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SPTLC1 elisa kit	Description: This Mouse Serine palmitoyltransferase 1 (SPTLC1) ELISA Kit employs a two-site sandwich ELISA to quantitate SPTLC1 in samples. An antibody specific for SPTLC1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SPTLC1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SPTLC1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SPTLC1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Serine palmitoyltransferase, which consists of two different subunits, is the initial enzyme in sphingolipid biosynthesis. It converts L-serine and palmitoyl CoA to 3-oxosphinganine with pyridoxal 5'-phosphate as a cofactor. The product of this gene is the long chain base subunit 1 of serine palmitoyltransferase. Mutations in this gene were identified in patients with hereditary sensory neuropathy type 1. Alternatively spliced variants encoding different isoforms have been identified. The SPTLC1 cDNA contains an open reading frame of 1,422 nucleotides and encodes a 473-amino acid protein. A search of the UniGene database identified corresponding cDNA clones expressed in 29 different tissues, indicating that SPTLC1 is ubiquitously expressed.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	29244577
NCBI GeneID	268656
NCBI Accession #	NP_033295.2
NCBI GenBank Nucleotide #	NP_033295.2
UniProt Accession #	O35704
NCBI Official Full Name	serine palmitoyltransferase 1
NCBI Official Synonym Full Names	serine palmitoyltransferase, long chain base subunit 1
NCBI Official Symbol	Sptlc1
NCBI Official Synonym Symbols	Lcb1; SPT1; C77762; AW552086; E030036H05
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

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-1-sptlc1/332262>