

Mouse Serine Palmitoyltransferase 2 (SPTLC2) ELISA Kit | SPTLC2 elisa kit

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CATALOG #
AAA332263

REACTIVITY
Mouse

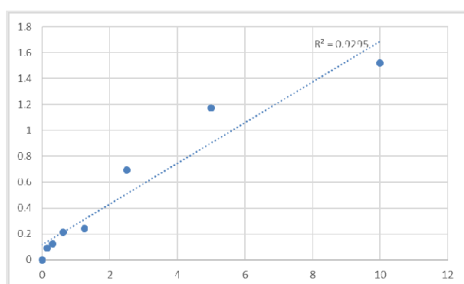
PRODUCT SYNONYMS

Serine Palmitoyltransferase 2 (SPTLC2); Mouse Serine Palmitoyltransferase 2 (SPTLC2) ELISA Kit; SPTLC2; KIAA0526; LCB2; SPT2; serine palmitoyltransferase; subunit; SPTLC2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Serine palmitoyltransferase 2 (SPTLC2) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse SPTLC2. No significant cross-reactivity or interference between Mouse SPTLC2 and analogues was observed.
Sequence Length	560
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 2 (SPTLC2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SPTLC2 elisa kit	Description: This Mouse Serine palmitoyltransferase 2 (SPTLC2) ELISA Kit employs a two-site sandwich ELISA to quantitate SPTLC2 in samples. An antibody specific for SPTLC2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SPTLC2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SPTLC2 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 SPTLC2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Serine palmitoyltransferase (SPT; EC 2.3.1.50) is the key enzyme in sphingolipid biosynthesis. It catalyzes the pyridoxal-5-prime-phosphate-dependent condensation of L-serine and palmitoyl-CoA to 3-oxosphinganine. SPTLC2encodes a long chain base subunit of serine palmitoyltransferase. Serine palmitoyltransferase, which consists of two different subunits, is the initial enzyme in sphingolipid biosynthesis. It catalyzes the pyridoxal 5'-phosphate dependent condensation of L-serine and palmitoyl CoA to 3-oxosphinganine. Mutations in this gene were identified in patients with hereditary sensory neuropathy type I. Alternatively spliced variants encoding different isoforms have been identified.The LCB2 cDNA encodes a protein of 562 amino acids that is more than 90% identical to the mouse protein.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6755656
NCBI GeneID	20773
NCBI Accession #	NP_035609.1
NCBI GenBank Nucleotide #	NP_035609.1
UniProt Accession #	P97363
NCBI Official Full Name	serine palmitoyltransferase 2
NCBI Official Synonym Full Names	serine palmitoyltransferase, long chain base subunit 2
NCBI Official Symbol	Sptlc2
NCBI Official Synonym Symbols	LCB2; Spt2; LCB2a
NCBI Protein Information	serine palmitoyltransferase 2
UniProt Protein Name	Serine palmitoyltransferase 2
UniProt Gene Name	Sptlc2
UniProt Synonym Gene Names	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.