

For Research Use Only

# CoraLite®594-conjugated SPTLC1 Monoclonal antibody



Catalog Number:CL594-66899

## Basic Information

<b>Catalog Number:</b> CL594-66899	<b>GenBank Accession Number:</b> BC007085	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10558	<b>CloneNo.:</b> 2D11D7
<b>Source:</b> Mouse	<b>Full Name:</b> serine palmitoyltransferase, long chain base subunit 1	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 53 kDa	<b>Excitation/Emission maxima wavelengths:</b> 593 nm / 614 nm
<b>Immunogen Catalog Number:</b> AG7876	<b>Observed MW:</b> 55 kDa	

## Applications

<b>Tested Applications:</b> IF	<b>Positive Controls:</b> IF : HepG2 cells,
<b>Species Specificity:</b> Human, mouse, rat	

## Background Information

SPTLC1 is a subunit of serine palmitoyltransferase (SPT) which is the key enzyme in sphingolipid biosynthesis and is essential for embryogenesis and cell survival. Mutations in the SPTLC1 gene (C133W, C133Y, V144D, and G387A) were reported to be responsible for the development of an inherited sensory neuropathy (hereditary sensory neuropathy type I, HSN1).

## Storage

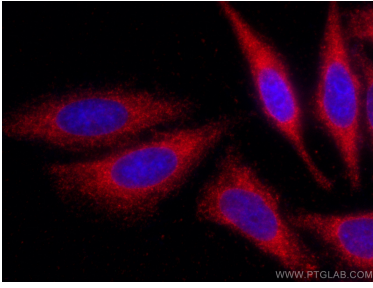
**Storage:**  
Store at -20°C. Avoid exposure to light.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite@594 SPTLC1 antibody (CL594-66899, Clone: 2D11D7) at dilution of 1:100.