

For Research Use Only



CoraLite® Plus 647-conjugated SMN (Human-Specific) Monoclonal antibody

Catalog Number: **CL647-60154**

Featured Product

Basic Information

Catalog Number: CL647-60154	GenBank Accession Number: BC000908	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/mL by Nanodrop;	GeneID (NCBI): 6607	CloneNo.: 2C6D9
Source: Mouse	UNIPROT ID: Q16637	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Isotype: IgG2a	Full Name: survival of motor neuron 2, centromeric	
Immunogen Catalog Number: AG14333	Calculated MW: 282 aa, 30 kDa	
	Observed MW: 38 kDa	

Applications

Tested Applications:
FC (Intra)
Species Specificity:
human

Background Information

The survival of motor neurons (SMN) genes are the disease genes of spinal muscular atrophy (SMA), a common motor neuron degenerative disease. The level of SMN protein correlates with phenotypic severity of SMA. SMA patients lack a functional SMN1 gene, but they possess an intact SMN2 gene, which though nearly identical to SMN1, is only partially functional, because a large majority of SMN2 transcripts lack exon 7, resulting in production of a truncated, less stable SMN protein. This antibody 60154-1-Ig is specific to human SMN2. It can't recognize mouse and rat SMN.

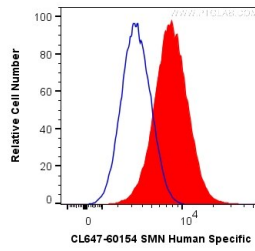
Storage

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

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



1X10⁶ HepG2 cells were intracellularly stained with 0.2 ug CoraLite® Plus 647 Anti-Human SMN (Human-Specific) (CL647-60154, Clone:2C6D9) (red), or 0.2 ug isotype control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).