

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

Size:  
1000 µg/mL

Source:  
Mouse

Isotype:  
IgG2a

Immunogen Catalog Number:  
AG14333

GenBank Accession Number:  
BC000908

GeneID (NCBI):  
6607

UNIPROT ID:  
Q16637

Full Name:  
survival of motor neuron 2,  
centromeric

Calculated MW:  
282 aa, 30 kDa

Observed MW:  
38 kDa

Purification Method:  
Protein A purification

CloneNo.:  
2C6D9

Excitation/Emission maxima  
wavelengths:  
654 nm / 674 nm

## 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:

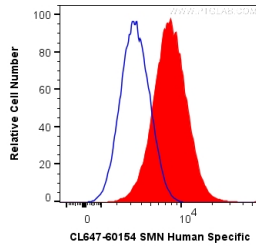
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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

## Selected Validation Data



1X10<sup>6</sup> 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).