

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:

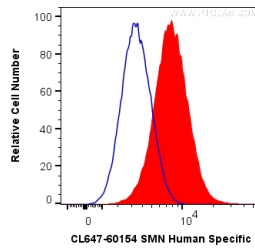
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.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).