

For Research Use Only

# CoraLite® Plus 488-conjugated SMN (Human,Mouse,Rat) Monoclonal antibody



Catalog Number:CL488-60154

Featured Product

## Basic Information

Catalog Number:

CL488-60154

Size:

1000 ug/ml

Source:

Mouse

Isotype:

IgG2b

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

Purification Method:

Protein A purification

CloneNo.:

3C10B5

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : HepG2 cells,

## 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 60154-2-Ig can recognize human, mouse and rat SMN gene.

## 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:

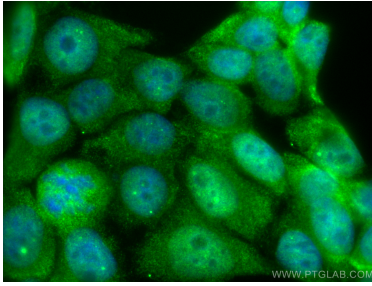
T: 4006900926

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

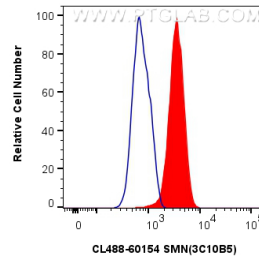
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Coralite® Plus 488 SMN (Human,Mouse,Rat) antibody (CL488-60154, Clone: 3C10B5 ) at dilution of 1:200.



1x10<sup>6</sup> Jurkat cells were intracellularly stained with 0.4 ug Coralite® Plus 488-conjugated SMN (Human,Mouse,Rat) Monoclonal antibody (CL488-60154, Clone:3C10B5)(red), or 0.4 ug Coralite® Plus 488 Mouse IgG2b isotype control (11B8C4) (CL488-66360-3, Clone: 11B8C4) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).