

For Research Use Only

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



Catalog Number: CL488-60154

Basic Information

Catalog Number: CL488-60154	GenBank Accession Number: BC000908	Purification Method: Protein A purification
Size: 100ul , Concentration: 2000 µg/ml by Nanodrop;	GeneID (NCBI): 6607	CloneNo.: 3C10B5
Source: Mouse	Full Name: survival of motor neuron 2, centromeric	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2b	Calculated MW: 282 aa, 30 kDa	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG14333	Observed MW: 38 kDa	

Applications

Tested Applications:

FC (Intra), IF

Species Specificity:

human, mouse, rat

Positive Controls:

IF : 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

*** 20ul sizes contain 0.1% BSA

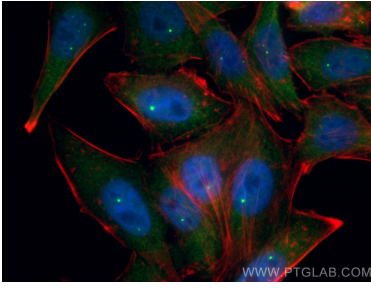
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

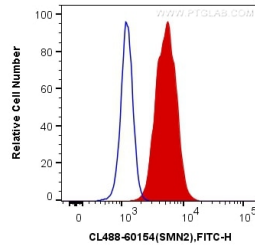
E: proteintech@ptglab.com
W: ptglab.com

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 (4% PFA) fixed HepG2 cells using CoraLite® Plus 488 SMN (Human,Mouse,Rat) antibody (CL488-60154, Clone: 3C10B5) at dilution of 1:200, CL594-Phalloidin (red).



1X10⁶ Jurkat cells were intracellularly stained with 0.2 ug CoraLite® Plus 488 Anti-Human SMN (Human,Mouse,Rat) (CL488-60154, Clone:3C10B5) (red), or 0.2 ug Mouse IgG2b Isotype Control (CL488-66360-3, Clone: K11B8C4B5) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).