

For Research Use Only

# CoraLite® Plus 488-conjugated PPP2R2A/B/C Monoclonal antibody



Catalog Number:CL488-67783

## Basic Information

Catalog Number:

CL488-67783

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG30774

GenBank Accession Number:

BC031790

GeneID (NCBI):

5521

UNIPROT ID:

Q00005

Full Name:

protein phosphatase 2 (formerly 2A),  
regulatory subunit B, beta isoform

Calculated MW:

443 aa, 52 kDa

Observed MW:

52 kDa

Purification Method:

Protein G purification

CloneNo.:

2E1D5

Excitation/Emission maxima  
wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

FC (Intra)

Species Specificity:

Human, Mouse, Rat, Pig, Rabbit

## Background Information

The PPP2R2B gene encodes a deduced 443-amino acid protein of approximately 52 kDa, which is a brain-specific regulatory subunit B of protein phosphatase 2. PPP2R2B is a Subunit of PP2A, a highly conserved constitutive enzyme (PMID:11719278). PPP2R2B (B $\beta$ ) is an important regulator of protein phosphatase 2A (PP2A) activity in the brain. Through differential promoter usage and alternative splicing, two major isoforms B $\beta$  1 and B $\beta$  2 with divergent sub-cellular targeting N termini are produced. B $\beta$  plays an important role in neuronal survival. It has 5 isoforms produced by alternative splicing.

## 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:

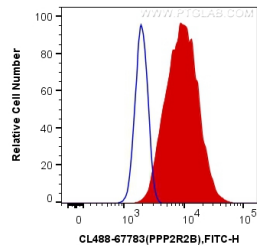
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug Coralite® Plus 488 Anti-Human PPP2R2B (CL488-67783, Clone:2E1D5) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).