

For Research Use Only

# CoraLite® Plus 488-conjugated Decorin Monoclonal antibody

Catalog Number:CL488-66847



## Basic Information

<b>Catalog Number:</b> CL488-66847	<b>GenBank Accession Number:</b> BC005322	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1634	<b>CloneNo.:</b> 3A4E4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P07585	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> decorin	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG6275	<b>Calculated MW:</b> 359 aa, 40 kDa	
	<b>Observed MW:</b> 40 kDa, 100 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, FC (Intra)	<b>Positive Controls:</b> IF/ICC : BxPC-3 cells,
<b>Species Specificity:</b> human	

## Background Information

Decorin is a member of the small leucine-rich proteoglycan family of proteins. Decorin interacts with type I collagen fibrils, thereby influencing the kinetics of fibril formation and the distance between adjacent collagen fibrils. Binding of this protein to multiple cell surface receptors mediates its role in tumor suppression, including a stimulatory effect on autophagy and inflammation and an inhibitory effect on angiogenesis and tumorigenesis.

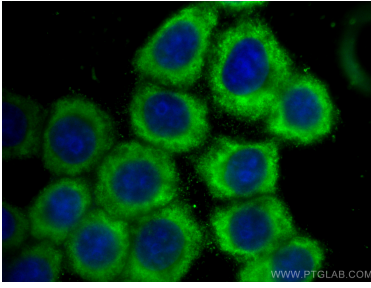
## Storage

**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

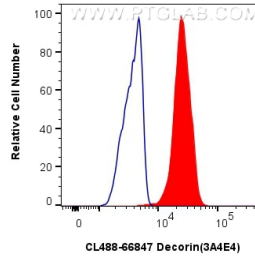
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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 (-20°C Ethanol) fixed BxPC-3 cells using CoraLite® Plus 488 Decorin antibody (CL488-66847, Clone: 3A4E4) at dilution of 1:200.



1x10<sup>6</sup> BxPC-3 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488-conjugated Decorin Monoclonal antibody (CL488-66847, Clone:3A4E4) (red), or 0.4 ug CoraLite® Plus 488-conjugated Mouse IgG1 isotype control Mouse McAb (CL488-66360, Clone: 1F8D3) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).