

For Research Use Only

# CoraLite® Plus 488-conjugated CD47 Recombinant monoclonal antibody

Catalog Number: CL488-85958



## Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CL488-85958	NP_001355344.1	Protein A purification
Size:	GenID (NCBI):	CloneNo.:
1000 μl, Concentration: 1000 ug/ml by Nanodrop;	16423	242850C4
Source:	UNIPROT ID:	Recommended Dilutions:
Rabbit	Q61735-1	IF/ICC: 1:50-1:500
Isotype:	Full Name:	Excitation/Emission maxima
IgG	CD47 antigen (Rh-related antigen, integrin-associated signal transducer)	wavelengths: 493 nm / 522 nm
Immunogen Catalog Number:	Calculated MW:	
EG1394	33 kDa	
	Observed MW:	
	45-55 kDa	

## Applications

Tested Applications:	Positive Controls:
IF/ICC	IF/ICC : RAW 264.7 cells,
Species Specificity:	
mouse	

## Background Information

CD47, also known as integrin-associated protein (IAP), is a member of the immunoglobulin superfamily containing a five-pass transmembrane attachment. CD47 is heavily glycosylated and widely expressed by hematopoietic and nonhematopoietic cells. CD47 interacts with several membrane integrins and also acts as a receptor for thrombospondin (THBS1). It is involved in a range of cellular processes, including apoptosis, proliferation, adhesion, and migration. CD47 also functions as a ligand for signal regulatory protein-α (SIRPa). Upon binding CD47, SIRPa initiates a signaling cascade that results in the inhibition of phagocytosis.

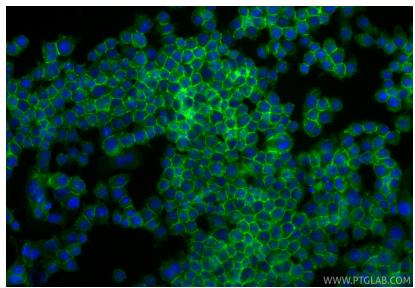
## Storage

**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, pH7.3  
**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

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed RAW 264.7 cells using CoraLite® Plus 488 CD47 antibody (CL488-85958, Clone: 242850C4) at dilution of 1:200.