

For Research Use Only

# CoraLite® Plus 647-conjugated CD47 Polyclonal antibody



Catalog Number: CL647-29555

## Basic Information

<b>Catalog Number:</b> CL647-29555	<b>GenBank Accession Number:</b> BC010016	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 961	<b>Excitation/Emission maxima wavelengths:</b> 654 nm / 674 nm
<b>Source:</b> Rabbit	<b>Full Name:</b> CD47 molecule	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 323 aa, 35 kDa	
<b>Immunogen Catalog Number:</b> AG31499		

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
Human

## 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 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 (SIRPα). Upon binding CD47, SIRPα initiates a signaling cascade that results in the inhibition of phagocytosis.

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light.

**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

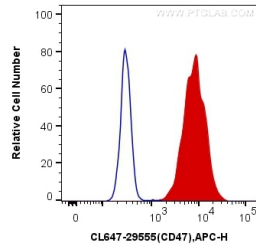
Aliquoting is unnecessary for -20°C storage

\*\*\* 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



1X10<sup>6</sup> HUVEC cells were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Human CD47 (CL647-29555) (red), or 0.25 ug Control Antibody. Cells were not fixed.