

For Research Use Only

CoraLite® Plus 488-conjugated CD47 Polyclonal antibody



Catalog Number: **CL488-29555**

Basic Information

Catalog Number: CL488-29555	GenBank Accession Number: BC010016	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 961	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Source: Rabbit	Full Name: CD47 molecule	
Isotype: IgG	Calculated MW: 323 aa, 35 kDa	

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. Stable for one year after shipment.

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

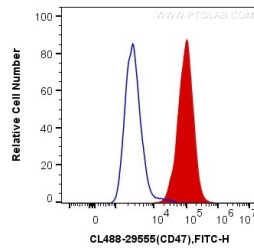
Aliquoting is unnecessary for -20°C storage

***** 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)
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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



1X10⁶ HUVEC cells were surface stained with 0.25 ug CoraLite® Plus 488 Anti-Human CD47 (CL488-29555) (red), or 0.25 ug Control Antibody. Cells were not fixed.