

For Research Use Only

CoraLite®594-conjugated CD47 Recombinant monoclonal antibody

Catalog Number:CL594-85958



Basic Information

Catalog Number: CL594-85958	GenBank Accession Number: NP_001355344.1	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 16423	CloneNo.: 242850C4
Isotype: IgG	UNIPROT ID: Q61735-1	Recommended Dilutions: IF/ICC: 1:50-1:500
Immunogen Catalog Number: EG1394	Full Name: CD47 antigen (Rh-related antigen, integrin-associated signal transducer)	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
	Calculated MW: 33 kDa	
	Observed MW: 45-55 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: 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 (SIRP α). Upon binding CD47, SIRP α 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:

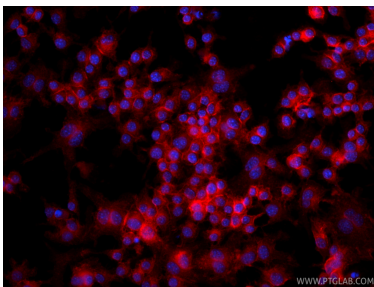
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed RAW 264.7 cells using CoraLite®594 CD47 antibody (CL594-85958, Clone: 242850C4) at dilution of 1:200.