

For Research Use Only

CD47 Recombinant antibody

Catalog Number: 85958-1-RR



Basic Information

Catalog Number: 85958-1-RR	GenBank Accession Number: NP_001355344.1	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 16423	CloneNo.: 242850C4
Source: Rabbit	UNIPROT ID: Q61735-1	Recommended Dilutions: WB 1:2000-1:10000 IF/ICC 1:250-1:1000
Isotype: IgG	Full Name: CD47 antigen (Rh-related antigen, integrin-associated signal transducer)	
Immunogen Catalog Number: EG1394	Calculated MW: 33 kDa	
	Observed MW: 45-55 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: mouse	WB : mouse spleen tissue, IF/ICC : RAW 264.7 cells,

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

Storage

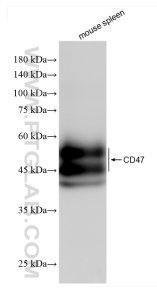
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

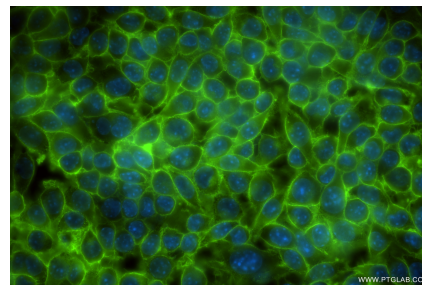
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Mouse spleen tissue was subjected to SDS PAGE followed by western blot with 85958-1-RR (CD47 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed RAW 264.7 cells using CD47 antibody (85958-1-RR, Clone: 242850C4) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).