

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;	GenelD (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:	Positive Controls:
WB, IF/ICC, ELISA	WB: mouse spleen tissue,
Species Specificity:	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 (SIRPa). Upon binding CD47, SIRPa initiates a signaling cascade that results in the inhibition of phagocytosis.

## Storage

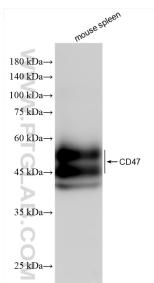
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

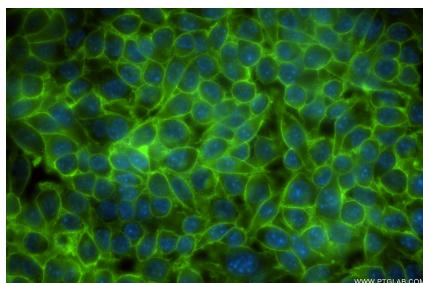
For technical support and original validation data for this product please contact:  
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free  
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## Selected Validation Data



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).