

For Research Use Only

CD47 Monoclonal antibody, PBS Only

Catalog Number: 66304-1-PBS

Featured Product



Basic Information

Catalog Number:

66304-1-PBS

Size:

100ug, Concentration: 1mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG14132

GenBank Accession Number:

BC010016

GeneID (NCBI):

961

UNIPROT ID:

Q08722

Full Name:

CD47 molecule

Calculated MW:

323 aa, 35 kDa

Observed MW:

50-55 kDa

Purification Method:

Protein A purification

CloneNo.:

1E1D8

Applications

Tested Applications:

WB, IF/ICC, Indirect ELISA

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 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 -80°C.

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

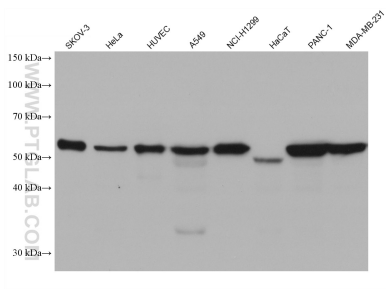
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com

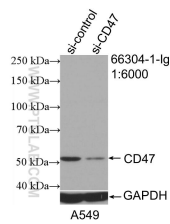
W: ptglab.com

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

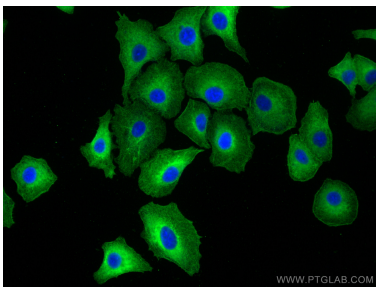
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66304-1-Ig (CD47 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66304-1-PBS in a different storage buffer formulation.



WB result of CD47 antibody (66304-1-Ig: 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CD47 transfected A549 cells. This data was developed using the same antibody clone with 66304-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using CD47 antibody (66304-1-Ig, Clone: 1E1D8) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002). This data was developed using the same antibody clone with 66304-1-PBS in a different storage buffer formulation.