

For Research Use Only

CD47 Monoclonal antibody, PBS Only

Catalog Number: 60551-1-PBS



Basic Information

Catalog Number:

60551-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

GenBank Accession Number:

BC010016

GeneID (NCBI):

961

UNIPROT ID:

Q08722

Full Name:

CD47 molecule

Calculated MW:

323 aa, 35 kDa

Purification Method:

Protein G purification

CloneNo.:

1A4C4

Applications

Tested Applications:

IF/ICC, FC, 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 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 .

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

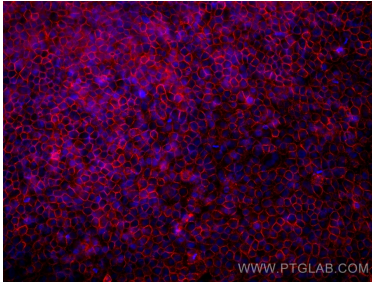
T: 4006900926

E: Proteintech-CN@ptglab.com

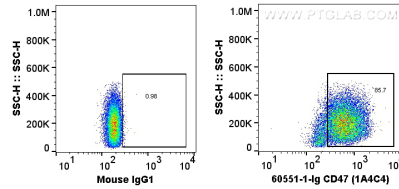
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of un-fixed HepG2 cells using CD47 antibody (60551-1-Ig, Clone: 1A4C4) at dilution of 1:500 and Multi-rAb CoraLite® Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (Cat.NO. RGAM004). This data was developed using the same antibody clone with 60551-1-PBS in a different storage buffer formulation.



1x10⁶ human PBMCs were surface stained with 0.2 μ g CD47 Monoclonal Antibody (60551-1-Ig, Clone: 1A4C4, right) and Multi-rAb CoraLite® Plus 647-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM005). Mouse IgG1 isotype control (66360-1-Ig, Clone: 1F8D3, left) was parallel stained as control. Cells were not fixed. This data was developed using the same antibody clone with 60551-1-PBS in a different storage buffer formulation.