

For Research Use Only

CoraLite®532-conjugated CD47 Monoclonal antibody

Catalog Number: CL532-66304

Featured Product



Basic Information

Catalog Number:

CL532-66304

Size:

1000 µg/ml

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

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima
wavelengths:

537 nm / 560 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF/ICC : A549 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 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, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

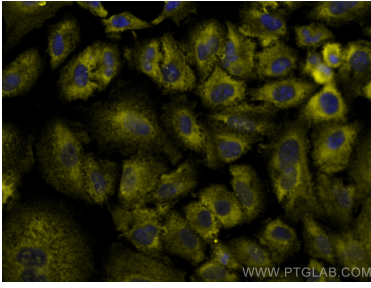
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using Coralite® 532 CD47 antibody (CL532-66304, Clone: 1E1D8) at dilution of 1:200.