

For Research Use Only

FcZero-rAb® APC Anti-Mouse CD47 Rabbit Recombinant Antibody

Catalog Number: APC-FcA98456-3



Basic Information

Catalog Number:

APC-FcA98456-3

Concentration:

100ug, 200 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1394

GenBank Accession Number:

NP_001355344.1

GeneID (NCBI):

16423

UNIPROT ID:

Q61735-1

Full Name:

CD47 antigen (Rh-related antigen, integrin-associated signal transducer)

Calculated MW:

33 kDa

Purification Method:

Protein A purification

CloneNo.:

242850C4

Recommended Dilutions:

FC: 0.1 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima

wavelengths:

650 nm / 660 nm

Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : mouse splenocytes,

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 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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

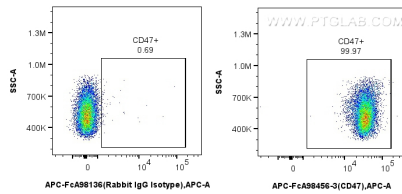
T: 4006900926

E: Proteintech-CN@ptglab.com

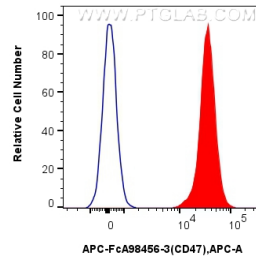
W: ptgcn.com

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Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.1 ug APC Anti-Mouse CD47 Rabbit RecAb (APC-FcA98456-3, Clone: 242850C4) or 0.1 ug FcZero-rAb™ APC Rabbit IgG Isotype Control Recombinant Antibody (APC-FcA98136, Clone: 240953C9). Cells were not fixed.



1x10⁶ mouse splenocytes were surface stained with 0.1 ug APC Anti-Mouse CD47 Rabbit RecAb (APC-FcA98456-3, Clone: 242850C4) (red) or 0.1 ug FcZero-rAb™ APC Rabbit IgG Isotype Control Recombinant Antibody (APC-FcA98136, Clone: 240953C9)(blue). Cells were not fixed.