

For Research Use Only

# FcZero-rAb® Biotin Anti-Human CD47 Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA98131



## Basic Information

Catalog Number:

Biotin-FcA98131

Concentration:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG31499

GenBank Accession Number:

BC010016

GeneID (NCBI):

961

UNIPROT ID:

Q08722

Full Name:

CD47 molecule

Calculated MW:

323 aa, 35 kDa

Purification Method:

Protein A purification

CloneNo.:

240997D8

Recommended Dilutions:

FC: 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

-

## Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human PBMCs,

## 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- $\alpha$  (SIRP $\alpha$ ). Upon binding CD47, SIRP $\alpha$  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, pH7.3

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

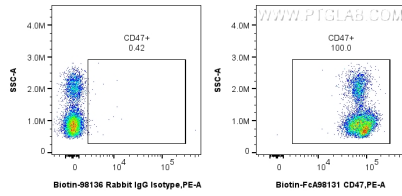
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

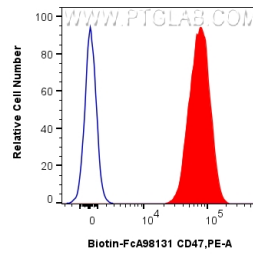
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



$1 \times 10^6$  human PBMCs were surface stained with 0.25  $\mu$ g Biotin Anti-Human CD47 Rabbit RecAb (Biotin-FcA98131, Clone: 240997D8) or 0.25  $\mu$ g Isotype Control, and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed.



$1 \times 10^6$  human PBMCs were surface stained with 0.25  $\mu$ g Biotin Anti-Human CD47 Rabbit RecAb (Biotin-FcA98131, Clone: 240997D8) (red) or 0.25  $\mu$ g Isotype Control (blue), and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed.