

For Research Use Only

# FcZero-rAb™ PE Anti-Human CD47 Rabbit Recombinant Antibody

Catalog Number: PE-FcA98131



## Basic Information

Catalog Number:

PE-FcA98131

Concentration:

100 tests, 5 µl/test

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG31499

GenBank Accession Number:

BC010016

GeneID (NCBI):

961

Full Name:

CD47 molecule

Calculated MW:

323 aa, 35 kDa

Purification Method:

Protein A purification

CloneNo.:

240997D8

Recommended Dilutions:

FC: 5 µl per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maximum wavelengths:

496 nm, 565 nm / 578 nm

## 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 and 0.5% BSA, pH7.3

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

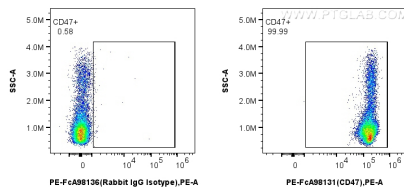
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W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul PE Anti-Human CD47 Rabbit RecAb (PE-FcA98131, Clone: 240997D8) or PE Rabbit IgG Isotype Control RecAb (PE-FcA98136, Clone: 240953C9). Cells were not fixed.