

For Research Use Only

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

Catalog Number: Biotin-FcA98456-3



## Basic Information

**Catalog Number:**

Biotin-FcA98456-3

**Concentration:**

100ug, 500 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: 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

## 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- $\alpha$  (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:

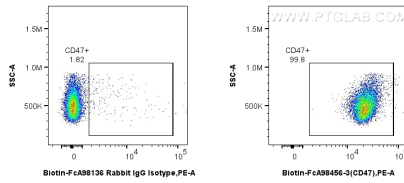
T: 4006900926

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

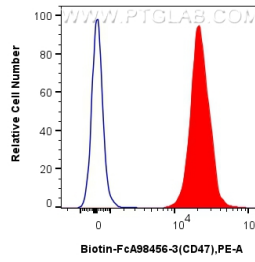
W: [ptgcn.com](http://ptgcn.com)

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

## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug Biotin Anti-Mouse CD47 Rabbit RecAb (Biotin-FcA98456-3, Clone: 242850C4) or FcZero-rAb® Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9), and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed.



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug Biotin Anti-Mouse CD47 Rabbit RecAb (Biotin-FcA98456-3, Clone: 242850C4) (red) or FcZero-rAb® Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue), and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed.