

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

Size:

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 10⁶ 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-α (SIRPα). Upon binding CD47, SIRPα 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

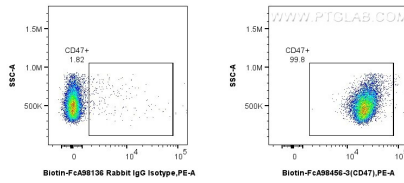
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

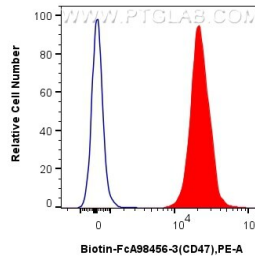
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1×10^6 mouse splenocytes were surface stained with 0.25 μ g 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.



1×10^6 mouse splenocytes were surface stained with 0.25 μ g 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.