

For Research Use Only

# CoraLite® Plus 647 Anti-Mouse CD47 Rabbit scFv Antibody

Catalog Number: CL647-SF98456-3



## Basic Information

Catalog Number:  
CL647-SF98456-3

Source:  
Rabbit

Type:  
scFv

Immunogen Catalog Number:  
EG1394

GenBank Accession Number:  
NP\_001355344.1

GeneID (NCBI):  
16423

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

Calculated MW:  
33 kDa

Purification Method:  
Affinity purification

CloneNo.:  
242850C4

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

Excitation/Emission maximum wavelengths:  
654 nm / 674 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- $\alpha$  (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:

50mM HEPES, 150mM NaCl, 5mM EDTA, 0.1% CHAPS, 10% Sucrose and 0.1% Proclin300, pH7.3

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

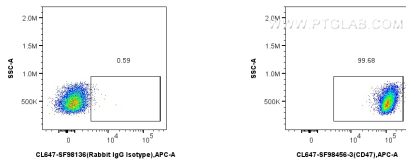
T: 4006900926

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

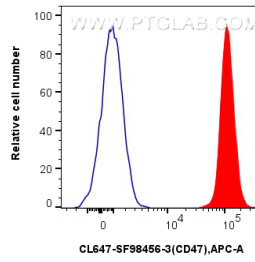
W: [ptgcn.com](http://ptgcn.com)

**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 CoraLite® Plus 647 Anti-Mouse CD47 Rabbit scFv Antibody (CL647-SF98456-3, Clone: 242850C4) or 0.25 ug CoraLite® Plus 647 Rabbit scFv Isotype Control (CL647-SF98136, Clone: 240953C9). Cells were not fixed.



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse CD47 Rabbit scFv Antibody (CL647-SF98456-3, Clone: 242850C4) (red) or 0.25 ug CoraLite® Plus 647 Rabbit scFv Isotype Control (CL647-SF98136, Clone: 240953C9) (blue). Cells were not fixed.