

For Research Use Only

# Anti-Mouse CD47 Rabbit scFv Antibody

Catalog Number:SF98456-3-RR



## Basic Information

Catalog Number:

SF98456-3-RR

GenBank Accession Number:

NP\_001355344.1

Purification Method:

Affinity purification

Size:

100ug, Concentration: 1000 ug/ml by 16423

GeneID (NCBI):

16423

CloneNo.:

242850C4

Nanodrop;

Full Name:

CD47 antigen (Rh-related antigen, integrin-associated signal transducer) suspension

Recommended Dilutions:

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

Source:

Rabbit

Type:

scFv

Calculated MW:

33 kDa

Immunogen Catalog Number:

EG1394

## Applications

Tested Applications:

FC

Positive Controls:

FC : mouse splenocytes,

Species Specificity:

mouse

## 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. Stable for one year after shipment.

Storage Buffer:

50mM HEPES, 150mM NaCl, 5mM EDTA, 0.1% CHAPS, 10% Sucrose and 0.1% Proclin 300, pH7.3

**\*\*\* 20ul sizes contain 0.1% BSA**

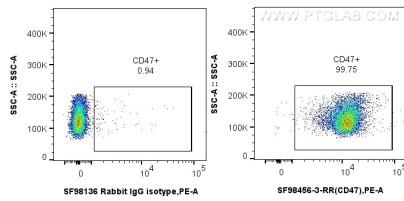
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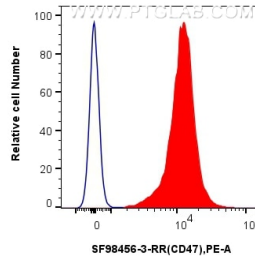
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## Selected Validation Data



$1 \times 10^6$  mouse splenocytes were surface stained with 0.25  $\mu$ g Mouse CD47 Recombinant Antibody (SF98456-3-RR, Clone: 242850C4) or 0.25  $\mu$ g Rabbit scFv Isotype Control (SF98136-1-RR, Clone: 240953C9), and PE Anti-6<sup>th</sup>His, His-Tag Rabbit RecAb (PE-FcA98450, Clone: 251107A1). Cells were not fixed.



$1 \times 10^6$  mouse splenocytes were surface stained with 0.25  $\mu$ g Mouse CD47 Recombinant Antibody (SF98456-3-RR, Clone: 242850C4) (red) or 0.25  $\mu$ g Rabbit scFv Isotype Control (SF98136-1-RR, Clone: 240953C9) (blue), and PE Anti-6<sup>th</sup>His, His-Tag Rabbit RecAb (PE-FcA98450, Clone: 251107A1). Cells were not fixed.