

For Research Use Only

Anti-Mouse CD47 Rabbit scFv Antibody, PBS Only

Catalog Number: SF98456-3-PBS



Basic Information

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| Catalog Number: SF98456-3-PBS | GenBank Accession Number: NP_001355344.1 | Purification Method: Affinity purification |
| Source: Rabbit | GeneID (NCBI): 16423 | CloneNo.: 242850C4 |
| Type: scFv | Full Name: CD47 antigen (Rh-related antigen, integrin-associated signal transducer) | |
| Immunogen Catalog Number: EG1394 | Calculated MW: 33 kDa | |

Applications

Tested Applications:

FC, Indirect ELISA

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- α (SIRP α). Upon binding CD47, SIRP α initiates a signaling cascade that results in the inhibition of phagocytosis.

Storage

Storage:

Store at -80°C .

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

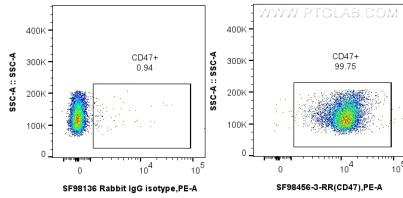
T: 4006900926

E: Proteintech-CN@ptglab.com

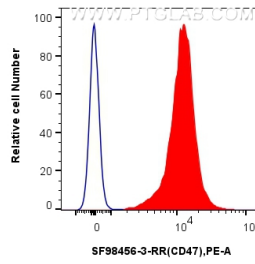
W: ptgcn.com

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

Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Mouse CD47 Recombinant Antibody (SF98456-3-RR, Clone: 242850C4) or 0.25 ug Rabbit scFv Isotype Control (SF98136-1-RR, Clone: 240953C9), and PE Anti-6thHis, His-Tag Rabbit RecAb (PE-FcA98450, Clone:251107A1). Cells were not fixed. This data was developed using the same antibody clone with SF98456-3-PBS in a different storage buffer formulation.



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Mouse CD47 Recombinant Antibody (SF98456-3-RR, Clone: 242850C4) (red) or 0.25 ug Rabbit scFv Isotype Control (SF98136-1-RR, Clone: 240953C9) (blue), and PE Anti-6thHis, His-Tag Rabbit RecAb (PE-FcA98450, Clone: 251107A1). Cells were not fixed. This data was developed using the same antibody clone with SF98456-3-PBS in a different storage buffer formulation.