

For Research Use Only

Anti-Mouse CD47 Rabbit scFv Antibody, PBS Only

Catalog Number: SF98456-3-PBS



Basic Information

Catalog Number: SF98456-3-PBS	GenBank Accession Number: NP_001355344.1	Purification Method: Affinity purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 16423	CloneNo.: 242850C4
Source: Rabbit	Full Name: CD47 antigen (Rh-related antigen, integrin-associated signal transducer)	
Type: scFv	Calculated MW: 33 kDa	
Immunogen Catalog Number: EG1394		

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

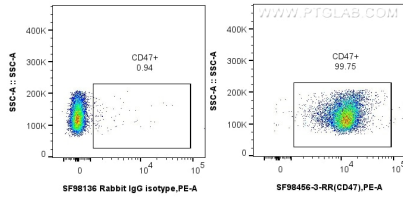
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

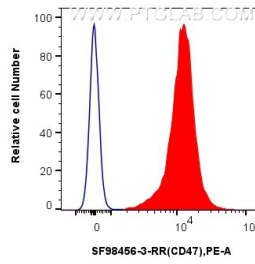
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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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.