

For Research Use Only

CoraLite® Plus 488 Anti-Mouse CD47 Rabbit scFv Antibody

Catalog Number: CL488-SF98456-3



Basic Information

Catalog Number:
CL488-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 10⁶ cells in a 100 µl suspension

Excitation/Emission maximum wavelengths:
493 nm / 522 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- α (SIRP α). Upon binding CD47, SIRP α 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:

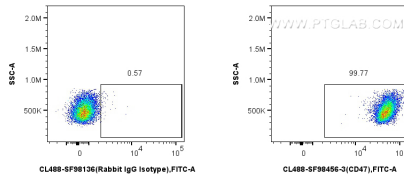
T: 4006900926

E: Proteintech-CN@ptglab.com

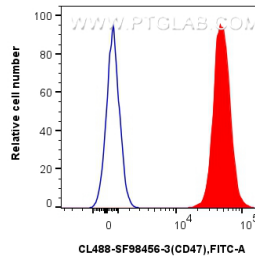
W: ptgcn.com

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Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 488 Anti-Mouse CD47 Rabbit scFv Antibody (CL488-SF98456-3, Clone: 242850C4) or 0.25 ug CoraLite® Plus 488 Rabbit scFv Isotype Control (CL488-SF98136, Clone: 240953C9). Cells were not fixed.



1x10⁶ mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 488 Anti-Mouse CD47 Rabbit scFv Antibody (CL488-SF98456-3, Clone: 242850C4) (red) or 0.25 ug CoraLite® Plus 488 Rabbit scFv Isotype Control (CL488-SF98136, Clone: 240953C9) (blue). Cells were not fixed.