

For Research Use Only

FcZero-rAb® CoraLite® Plus 488 Anti-Mouse CD47 Rabbit Recombinant Antibody

Catalog Number: CL488-FcA98456-3



Basic Information

Catalog Number:
CL488-FcA98456-3

Size:
100ug, 500 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG1394

GenBank Accession Number:
NP_001355344.1

GeneID (NCBI):
16423

UNIPROT ID:
Q61735-1

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

Calculated MW:
33 kDa

Purification Method:
Protein A 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:

PBS with 0.09% sodium azide, pH7.3

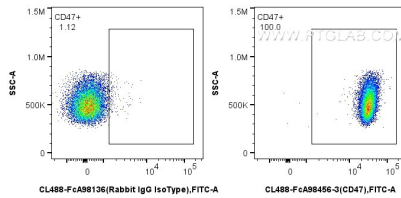
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

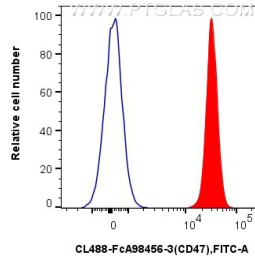
E: proteintech@ptglab.com
W: ptglab.com

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 CoraLite® Plus 488 Anti-Mouse CD47 Rabbit RecAb (CL488-FcA98456-3, Clone: 242850C4) or 0.25 ug Rabbit IgG Isotype Control RecAb (CL488-FcA98136, Clone: 240953C9). Cells were not fixed.



1x10⁶ mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 488 Anti-Mouse CD47 Rabbit RecAb (CL488-FcA98456-3, Clone: 242850C4) (red) or 0.25 ug Rabbit IgG Isotype Control RecAb (CL488-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.