

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	GenBank Accession Number: NP_001355344.1	Purification Method: Protein A purification
Concentration: 100ug, 500 ug/ml	GeneID (NCBI): 16423	CloneNo.: 242850C4
Source: Rabbit	UNIPROT ID: Q61735-1	Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: CD47 antigen (Rh-related antigen, integrin-associated signal transducer)	Excitation/Emission maximum wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: EG1394	Calculated MW: 33 kDa	

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- 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:

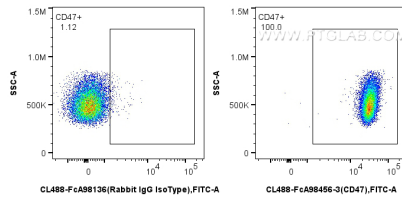
T: 4006900926

E: Proteintech-CN@ptglab.com

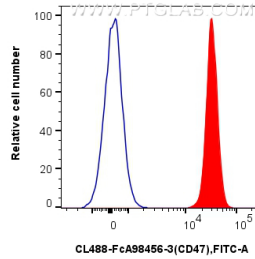
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Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 488 Anti-Mouse CD47 Rabbit 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.