

For Research Use Only

FcZero-rAb® CoraLite® Plus 405 Anti-Human CD47 Rabbit Recombinant Antibody

Catalog Number: **CL405-FcA98131**



Basic Information

Catalog Number: CL405-FcA98131	GenBank Accession Number: BC010016	Purification Method: Protein A purification
Concentration: 100tests, 5 ul/test	GeneID (NCBI): 961	CloneNo.: 240997D8
Source: Rabbit	UNIPROT ID: Q08722	Recommended Dilutions: FC: 5 ul per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: CD47 molecule	Excitation/Emission maxima wavelengths: 399 nm / 422 nm
Immunogen Catalog Number: EG31499	Calculated MW: 323 aa, 35 kDa	

Applications

Tested Applications: FC	Positive Controls: FC : human PBMCs,
Species Specificity: human	

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 and 0.5% BSA, pH7.3

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

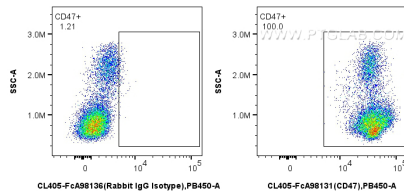
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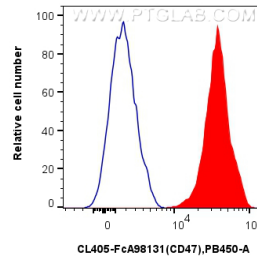
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Selected Validation Data



1x10⁶ human PBMCs were surface stained with 5 ul CoraLite® Plus 405 Anti-Human CD47 Rabbit RecAb (CL405-FcA98131, Clone: 240997D8) or FcZero-rAb® CoraLite® Plus 405 Rabbit IgG Isotype Control Recombinant Antibody (CL405-FcA98136, Clone: 240953C9). Cells were not fixed.



1x10⁶ human PBMCs were surface stained with 5 ul CoraLite® Plus 405 Anti-Human CD47 Rabbit RecAb (CL405-FcA98131, Clone: 240997D8) (red) or FcZero-rAb® CoraLite® Plus 405 Rabbit IgG Isotype Control Recombinant Antibody (CL405-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.