

For Research Use Only



FcZero-rAb® PE-Cyanine5.5 Anti-Human CD19 Rabbit Recombinant Antibody

Catalog Number: PY5P5-FcA98560

Basic Information

Catalog Number: PY5P5-FcA98560	GenBank Accession Number: BC006338	Purification Method: Protein A purification
Concentration: 100tests, 5 ul/test	GeneID (NCBI): 930	CloneNo.: 250499A2
Source: Rabbit	ENSEMBL Gene ID: ENSG00000177455	Recommended Dilutions: FC: 5 ul per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	UNIPROT ID: P15391	Excitation/Emission maxima wavelengths: 496 nm, 565 nm / 692 nm
Immunogen Catalog Number: EG3335	Full Name: CD19 molecule	
	Calculated MW: 556 aa, 61 kDa	

Applications

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

Background Information

CD19 is a 95 kDa type I transmembrane glycoprotein belonging to the immunoglobulin superfamily (PMID: 2472450). It is expressed by B cells and follicular dendritic cells. CD19 is up-regulated at the step of B-lineage commitment during the differentiation of the hematopoietic stem cell, it remains on during subsequent stages of differentiation until finally down-regulated during terminal differentiation into plasma cells (PMID: 8528044). CD19 is involved in B cell development, activation and differentiation. It is the dominant component for the signaling complex on B cells that includes CD21 (CR2), CD81 (TAPA-1) and CD225 and acts as a critical co-receptor for BCR signal transduction (PMID: 23210908).

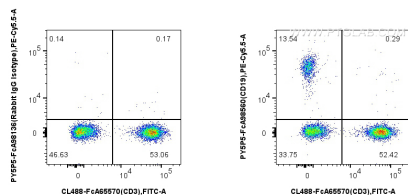
Storage

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

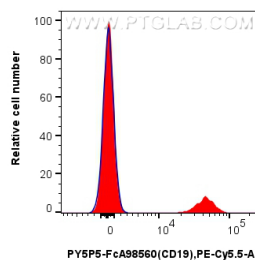
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ human PBMCs were surface stained with FcZero-rAb® CoraLite® Plus 488 Anti-Human CD3, and 5 ul PE-Cyanine5.5 Anti-Human CD19 Rabbit RecAb (PY5P5-FcA98560, Clone: 250499A2) or FcZero-rAb® PE-Cyanine5.5 Rabbit IgG Isotype Control Recombinant Antibody (PY5P5-FcA98136, Clone: 240953C9). Cells were incubated with MonoZero™ Human/Mouse 3-in-1 Blocking Reagent (PF00029) prior to staining. Cells were not fixed.



1x10⁶ human PBMCs were surface stained with 5 ul PE-Cyanine5.5 Anti-Human CD19 Rabbit RecAb (PY5P5-FcA98560, Clone: 250499A2) (red) or FcZero-rAb® PE-Cyanine5.5 Rabbit IgG Isotype Control Recombinant Antibody (PY5P5-FcA98136, Clone: 240953C9) (blue). Cells were incubated with MonoZero™ Human/Mouse 3-in-1 Blocking Reagent (PF00029) prior to staining. Cells were not fixed.