

For Research Use Only

FcZero-rAb™ CoraLux Violet 510 Anti-Human CD19 (4G7) Rabbit IgG Recombinant Antibody

Catalog Number: CLV510-FcA65562



Basic Information

Catalog Number:	CLV510-FcA65562	GenBank Accession Number:	BC006338	Purification Method:	Protein A purification
Concentration:	100 tests, 5 μ l/test	GeneID (NCBI):	930	Clone No.:	4G7
Source:	Rabbit	ENSEMBL Gene ID:	ENSG00000177455	Recommended Dilutions:	FC: 5 μ l per 10^6 cells in a 100 μ l suspension
Isotype:	IgG	UNIPROT ID:	P15391	Excitation/Emission maxima wavelengths:	410 nm / 501 nm
		Full Name:	CD19 molecule		
		Calculated MW:	556 aa, 61 kDa		

Applications

Tested Applications:	Positive Controls:
FC	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:

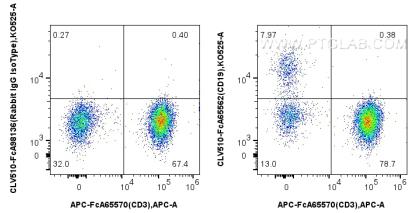
T: 4006900926

E: Proteintech-CN@ptglab.com

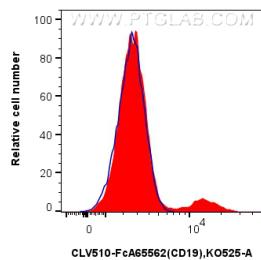
W: ptgcn.com

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Selected Validation Data



1×10^6 human PBMCs were surface stained with APC Anti-Human CD3 (UCHT1) and 5 μ l CoralLux Violet 510 Anti-Human CD19 (4G7) Rabbit IgG RecAb (CLV510-FcA65562, Clone:4G7), or 5 μ l Rabbit IgG Isotype Control RecAb (CLV510-FcA98136, Clone: 240953C9). Cells were not fixed. Lymphocytes were gated.



1×10^6 human PBMCs were surface stained with 5 μ l CoralLux Violet 510 Anti-Human CD19 (4G7) Rabbit IgG RecAb (CLV510-FcA65562, Clone:4G7) (red), or 5 μ l Rabbit IgG Isotype Control RecAb (CLV510-FcA98136, Clone: 240953C9) (blue). Cells were not fixed. Lymphocytes were gated.