

For Research Use Only

# FcZero-rAb™ CoraLite® Plus 405 Anti-Human CD19 (4G7) Rabbit Recombinant Antibody

Catalog Number: CL405-FcA65562



## Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CL405-FcA65562	BC006338	Protein A purification
Concentration:	GenelD (NCBI):	CloneNo.:
100 tests, 5 µl/test	930	4G7
Source:	ENSEMBL Gene ID:	Recommended Dilutions:
Rabbit	ENSG00000177455	FC: 5 µl per 10 <sup>6</sup> cells in a 100 µl suspension
Isotype:	UNIPROT ID:	Excitation/Emission maxima wavelengths:
IgG	P15391	399 nm / 422 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).

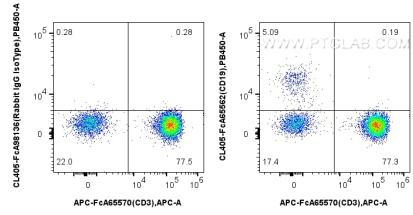
## Storage

**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

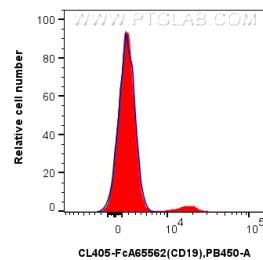
For technical support and original validation data for this product please contact:  
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with APC Anti-Human CD3 (UCHT1) and 5 ul Coralite® Plus 405 Anti-Human CD19 (4G7) Rabbit IgG RecAb (CL405-FcA65562, Clone:4G7), or 5 ul Rabbit IgG Isotype Control RecAb (CL405-FcA98136, Clone: 240953C9). Cells were not fixed. Lymphocytes were gated.



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul Coralite® Plus 405 Anti-Human CD19 (4G7) Rabbit IgG RecAb (CL405-FcA65562, Clone:4G7) (red), or 5 ul Rabbit IgG Isotype Control RecAb (CL405-FcA98136, Clone: 240953C9) (blue). Cells were not fixed. Lymphocytes were gated.