

For Research Use Only

FcZero-rAb™ APC-Cyanine7 Anti-Human CD19 (4G7) Rabbit Recombinant Antibody

Catalog Number:AY7-FcA65562



Basic Information

Catalog Number:	AY7-FcA65562	GenBank Accession Number:	BC006338	Purification Method:	Protein A purification
Size:	100 tests, 5 µl/test	GenID (NCBI):	930	CloneNo.:	4G7
Source:	Rabbit	ENSEMBL Gene ID:	ENSG00000177455	Recommended Dilutions:	FC: 5 µl per 10 ⁶ cells in a 100 µl suspension
Isotype:	IgG	UNIPROT ID:	P15391	Excitation/Emission maxima wavelengths:	650 nm / 778 nm
		Full Name:	CD19 molecule		
		Calculated MW:	556 aa, 61 kDa		

Applications

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

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).

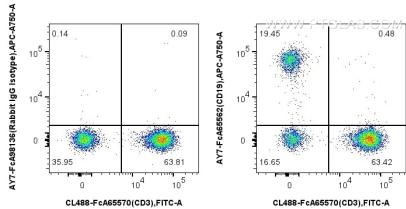
Storage

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

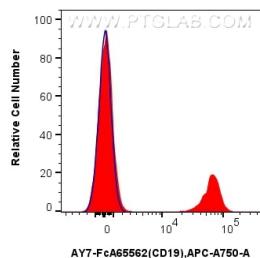
For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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 (UCHT1), and 5 ul APC-Cyanine7 Anti-Human CD19 (4G7) or FcZero-rAb™ APC-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (AY7-FcA98136, Clone: 240953C9). Cells were not fixed. Lymphocytes were gated.



1x10⁶ human PBMCs were surface stained with 5 ul APC-Cyanine7 Anti-Human CD19 (4G7) Rabbit IgG RecAb (AY7-FcA65562, Clone:4G7)(red) or FcZero-rAb™ APC-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (AY7-FcA98136, Clone: 240953C9)(blue). Cells were not fixed. Lymphocytes were gated.