

For Research Use Only

APC Anti-Human CD19 (SJ25C1)

Catalog Number: APC-65145



Basic Information

Catalog Number: APC-65145	GenBank Accession Number: BC006338	Purification Method: Affinity purification
Size: 100tests, 5 µl(0.25µg)/test	GeneID (NCBI): 930	CloneNo.: SJ25C1
Source: Mouse	ENSEMBL Gene ID: ENSG00000177455	Excitation/Emission maxima wavelengths: 650 nm / 660 nm
Isotype: IgG1	UNIPROT ID: P15391	
	Full Name: CD19 molecule	
	Calculated MW: 556 aa, 61 kDa	

Applications

Tested Applications:
FC

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.

Storage Buffer:
Phosphate based buffer with 0.09% sodium azide and 0.1% gelatin, pH 7.2.

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

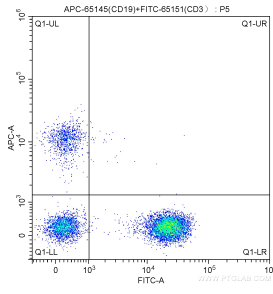
T: 4006900926

E: Proteintech-CN@ptglab.com

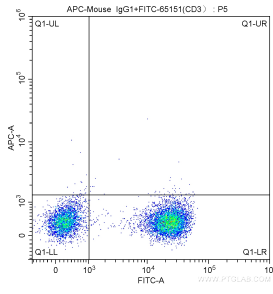
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Selected Validation Data



100 ul human peripheral blood were surface stained with FITC Anti-Human CD3 (FITC-65151, Clone: UCHT1) and 5.00 ul APC Anti-Human CD19 (APC-65145, Clone: SJ25C1). Lymphocytes were gated for analysis. Cells were not fixed.



100 ul human peripheral blood were surface stained with FITC Anti-Human CD3 (FITC-65151, Clone: UCHT1) and APC Mouse IgG1 isotype control antibody. Lymphocytes were gated for analysis. Cells were not fixed.