

For Research Use Only

CoraLite® Plus 647 Anti-Human CD19 (4G7)



Catalog Number: CL647-65197

Basic Information

Catalog Number: CL647-65197	GenBank Accession Number: BC006338	Purification Method: Protein G purification
Size: 100tests, 5 µl/test	GeneID (NCBI): 930	CloneNo.: 4G7
Source: Mouse	ENSEMBL Gene ID: ENSG00000177455	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Isotype: IgG1, kappa	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. Stable for one year after shipment.

Storage Buffer:
PBS with 0.1% sodium azide and 0.5% BSA, pH 7.3.

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

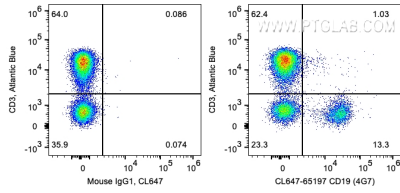
T: 4006900926

E: Proteintech-CN@ptglab.com

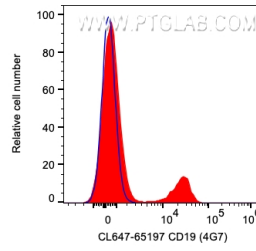
W: ptgcn.com

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Selected Validation Data



1X10⁶ human PBMCs were surface co-stained with Anti-Human CD3 and either 5ul CoraLite® Plus 647 Anti-Human CD19 (CL647-65197, Clone: 4G7) or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.



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