

For Research Use Only

Atlantic Blue™ Anti-Human CD19 (4G7)



Catalog Number: **AB-65197**

Basic Information

Catalog Number: AB-65197	GenBank Accession Number: BC006338	Purification Method: Protein G purification
Size: 100tests , 5 µl/test	GeneID (NCBI): 930	CloneNo.: 4G7
Source: Mouse	Full Name: CD19 molecule	Excitation/Emission maxima wavelengths: 404 nm / 458 nm
Isotype: IgG1, kappa	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).

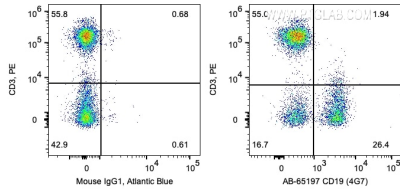
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA.

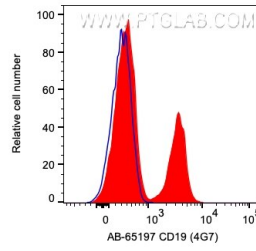
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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 co-stained with PE Anti-Human CD3 and 5 ul Atlantic Blue™ Anti-Human CD19 (AB-65197, Clone: 4G7) or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.



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