

For Research Use Only



PE-Cyanine7 Anti-Human CD19 (4G7) Mouse IgG2a Recombinant Antibody

Catalog Number: **PY7-65562**

Basic Information

Catalog Number: PY7-65562	GenBank Accession Number: BC006338	Purification Method: Protein A purification
Size: 100tests, 5 µl/test	GeneID (NCBI): 930	CloneNo.: 4G7
Source: Mouse	ENSEMBL Gene ID: ENSG00000177455	Excitation/Emission maxima wavelengths: 450-500 nm / 778 nm
Isotype: IgG2a	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 0.09% sodium azide and 0.5% BSA.

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

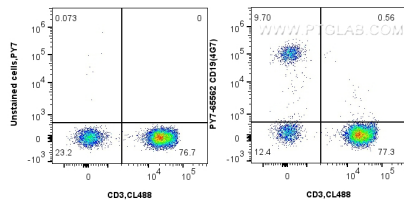
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ human peripheral blood lymphocytes were surface stained with 5 ul PE-Cyanine7 CD19 Recombinant Antibody (PY7-65562, Clone: 4G7) or unstained. Cells were co-stained with CoraLite® Plus 488 Anti-Human CD3 (UCHT1) (CL488-65151, Clone: UCHT1). Cells were not fixed.