

For Research Use Only

CoraLite®594 Anti-Human CD19 (HIB19)



Catalog Number: **CL594-65110**

Basic Information

Catalog Number: CL594-65110	GenBank Accession Number: BC006338	Purification Method: Affinity purification
Size: 100tests, 5 µ l/test	GeneID (NCBI): 930	CloneNo.: HIB19
Source: Mouse	ENSEMBL Gene ID: ENSG00000177455	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Isotype: IgG1, kappa	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:

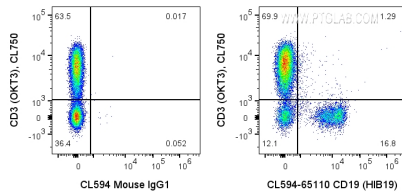
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ human PBMCs were surface stained with CL750 CD3 (OKT3) and 5 ul CoraLite® Plus 488 Anti-Human CD19 (CL488-65110, Clone:H1B19) or CoraLite® Plus 488 Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.