

PE Anti-Human CD19 (HIB19)

Catalog Number: PE-65110

Basic Information

Catalog Number: PE-65110	GenBank Accession Number: BC006338	Purification Method: Affinity purification
Size: 100tests , 5 µl/test	GeneID (NCBI): 930	CloneNo.: HIB19
Source: Mouse	Full Name: CD19 molecule	Excitation/Emission maxima wavelengths: 496 nm, 565 nm / 578 nm
Isotype: IgG1, kappa	Calculated MW: 556 aa, 61 kDa	

Applications

Tested Applications:
FC

Species Specificity:
Human

Background Information

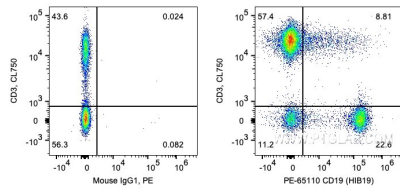
CD19 is a 95 kDa type I transmembrane glycoprotein belonging to the immunoglobulin superfamily (PMID: 2472450). It is expressed by B cells and follicular dendritic cells. CD19 is up-regulated at the step of B-lineage commitment during the differentiation of the hematopoietic stem cell, it remains on 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

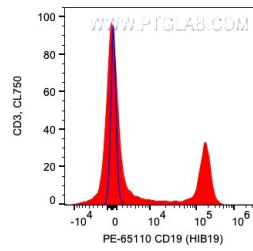
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA.

Selected Validation Data



1X10⁶ human PBMCs were surface co-stained with CL750 Anti-Human CD3 and 5 ul PE Anti-Human CD19 (PE-65110, Clone: HIB19) or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.



1X10⁶ human PBMCs were surface stained with 5 ul PE Anti-Human CD19 (PE-65110, Clone: HIB19) (red) or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.