

For Research Use Only

PE Anti-Human CD19 (SJ25C1)

Catalog Number: PE-65145



Basic Information

Catalog Number:

PE-65145

Concentration:

100 tests, 5 µl/test

Source:

Mouse

Isotype:

IgG1, kappa

GenBank Accession Number:

BC006338

GeneID (NCBI):

930

ENSEMBL Gene ID:

ENSG00000177455

UNIPROT ID:

P15391

Full Name:

CD19 molecule

Calculated MW:

556 aa, 61 kDa

Purification Method:

Affinity purification

CloneNo.:

SJ25C1

Recommended Dilutions:

FC: 0.2 µg per 10⁶ cells in 100 µl suspension

Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 578 nm

Applications

Tested Applications:

FC

Species Specificity:

Human

Positive Controls:

FC : Human peripheral blood lymphocytes,

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 0.1% gelatin, pH7.2

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

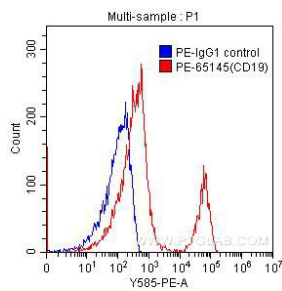
T: 4006900926

E: Proteintech-CN@ptglab.com

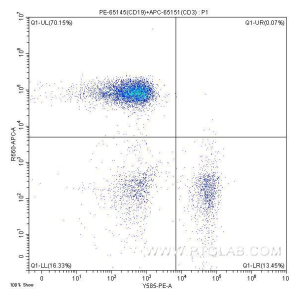
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Selected Validation Data



1X10⁶ human peripheral blood lymphocytes were surface stained with 0.25 ug PE-anti-human CD19 (PE-65145, clone SJ25C1) (red) or 0.25 ug PE-mouse IgG1 isotype control (blue). Cells were not fixed.



0.1 mL human whole blood cells were surface stained with 0.25 ug APC-anti-human CD3 (APC-65151, clone UCHT1) and 0.25 ug PE-anti-human CD19 (PE-65145, clone SJ25C1). Cells were then treated with red blood cell lysis buffer and were gated for lymphocytes for analysis of CD3 and CD19 staining. Cells were not fixed.