

# APC Anti-Human CD19 (SJ25C1)

Catalog Number: **APC-65145**

## Basic Information

**Catalog Number:**

APC-65145

**Size:**

100 tests, 5 µl (0.25 µg)/test

**Source:**

Mouse

**Isotype:**

IgG1

**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

**Excitation/Emission maxima wavelengths:**

650 nm / 660 nm

## 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

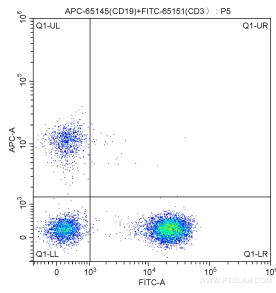
**Storage:**

Store at 2-8°C. Avoid exposure to light.

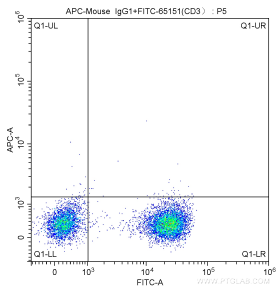
**Storage Buffer:**

Phosphate based buffer with 0.09% sodium azide and 0.1% gelatin, pH 7.2.

## Selected Validation Data



100 ul human peripheral blood were surface stained with FITC Anti-Human CD3 (FITC-65151, Clone: UCHT1) and 5.00 ul APC Anti-Human CD19 (APC-65145, Clone: SJ25C1). Lymphocytes were gated for analysis. Cells were not fixed.



100 ul human peripheral blood were surface stained with FITC Anti-Human CD3 (FITC-65151, Clone: UCHT1) and APC Mouse IgG1 isotype control antibody. Lymphocytes were gated for analysis. Cells were not fixed.