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# APC Anti-Human CD19 Antibody[HI19a]

Catalog Number: E-AB-F1304E

Note: Centrifuge before opening to ensure complete recovery of vial contents.

#### Description

Reactivity Human Host Mouse

**Isotype** Mouse IgG1, κ

Clone No. HI19a

Isotype Control APC Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792E]

Conjugation APC

**Conjugation Information** APC is designed to be excited by the Red (627-640 nm) laser and detected using an

optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter).

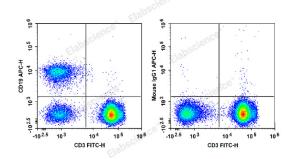
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

#### Applications Recommended usage

**FCM** 

Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

#### Data



Human peripheral blood lymphocytes are stained with FITC Anti-Human CD3 Antibody and APC Anti-Human CD19 Antibody (Left). Lymphocytes are stained with FITC Anti-Human CD3 Antibody and APC Mouse IgG1, κ Isotype Control (Right).

### **Preparation & Storage**

**Storage** Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

## **Antigen Information**

Alternate Names B-lymphocyte antigen CD19;CD19;Cd19;Differentiation antigen CD19

 Uniprot ID
 P51677

 Gene ID
 930

## For Research Use Only

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#### **Elabscience Bionovation Inc.**



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## **Background**

CD19 is a 95 kD type I transmembrane glycoprotein also known as B4. It is a member of the immunoglobulin superfamily expressed on B-cells (from pro-B to blastoid B cell s, absent on plasma cells) and follicular dendritic cells. CD19 is involved in B cell development, activation, and differentiation. CD19 forms a complex with CD21 (CR2) and CD81 (TAPA-1), and functions as a BCR co-receptor.