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# **APC Anti-Human CD5 Antibody[HISM2]**

Catalog Number: E-AB-F1313E

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

#### Description

Reactivity Human Host Mouse

**Isotype** Mouse IgG1, κ

Clone No. HISM2

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.

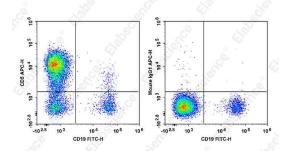
#### Applications

#### 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 CD19 Antibody and APC Anti-Human CD5 Antibody[HISM2] (Left). Lymphocytes are stained with FITC Anti-Human CD19 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 CD5;LEU1;Lymphocyte antigen T1/Leu-1;T-cell surface glycoprotein CD5

 Uniprot ID
 P06127

 Gene ID
 921

# For Research Use Only

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



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# **Background**

CD5 is a 67 kD single chain type I glycoprotein also known as Leu-1, Ly-1 and T1. It is a member of the scavenger receptor superfamily found on T cells, thymocytes, B cell subsets, chronic B lymphocytic leukemia (B-Cells), and peripheral blood dendritic cell s. CD5 modulates T and B cell receptor signaling, thymocyte maturation, and T-B cell interactions upon binding to ligands such as CD72.

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