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APC Anti-Human CD7 Antibody[HIT7]

Catalog No. E-AB-F1315E Reactivity Human Storage Store at 2~8°C, Avoid freeze / thaw cycles **Applications FCM**

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

Antigen Information

Alternate Names T-cell antigen CD7,CD7,GP40,T-cell leukemia antigen,T-cell surface antigen Leu-9,TP41,TP41

Uniprot ID P09564 Gene ID 924

Background CD7 is a 40 kD type I transmembrane glycoprotein also known as gp40. It is a member of the

> immunoglobulin superfamily found on T cells, NK cells, thymocytes, hematopoietic progenitors, and monocytes (weakly). CD7 is also expressed on acute lymphocytic leukemia (ALL) and some acute myeloid leukemia (AML) cells. CD7 crosslinking induces a calcium flux in T lymphocytes, presumably as a result of cytoplasmic domain association with PI3-kinase. CD7 costimulation can

induce cytokine secretion and modulate cellular adhesion.

Product Details

Form Liquid

Size 20Tests/100Tests/100Tests×2

Clone No. HIT7 Host Mouse

Mouse IgG1, κ **Isotype**

Reactivity Human **Application FCM**

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

Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

Shipping Biological ice pack at 4 °C Stability & Storage Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light.Do not freeze.

This product is guaranteed up to one year from purchase.

For Research Use Only

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Fluorophore

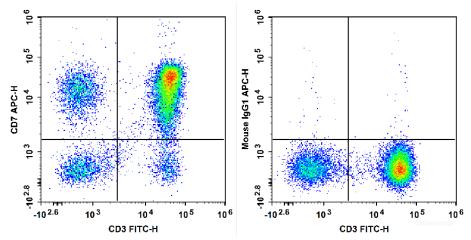
Conjugation: APC

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).

Recommended usage

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

Product data



Human peripheral blood lymphocytes are stained with FITC Anti-Human CD3 Antibody and APC Anti-Human CD7 Antibody[HIT7] (Left). Lymphocytes are stained with FITC Anti-Human CD3 Antibody and APC Mouse IgG1, κ Isotype Control (Right).

Related Information

- 1. Sample Preparation for Flow Cytometry https://www.elabscience.com/List-detail-5594.html
- 2. Staining Cell Surface Targets for Flow Cytometry https://www.elabscience.com/List-detail-5568.html
- 3. Flow Cytometry Troubleshooting Tips https://www.elabscience.com/List-detail-5593.html
- 4. How to select the appropriate detection channel through the spectrogram? https://www.elabscience.com/List-detail-459742.html

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