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PE/Cyanine7 Anti-Human CD7 Antibody[HIT7]

Catalog Number: E-AB-F1315H

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

Description

Reactivity Human Host Mouse

Isotype Mouse IgG1, κ

Clone No. HIT7

Isotype Control PE/Cyanine7 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792H]

Conjugation PE/Cyanine 7

Conjugation Information PE/Cyanine7 is designed to be excited by the Blue (488 nm), Green (532 nm) and

yellow-green (561 nm) lasers and detected using an optical filter centered near 775 nm

(e.g., a 780/60 nm bandpass filter).

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

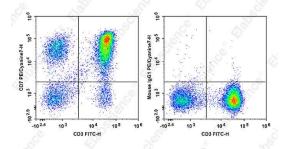
Applications Recommended usage

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 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.

Data



Human peripheral blood lymphocytes are stained with FITC Anti-Human CD3 Antibody and PE/Cyanine7 Anti-Human CD7 Antibody[HIT7] (Left). Lymphocytes are stained with FITC Anti-Human CD3 Antibody and PE/Cyanine7 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 CD7;GP40;T-cell antigen CD7;T-cell leukemia antigen;T-cell surface antigen Leu-9;

TP41

For Research Use Only

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 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 Pl3-kinase. CD7 costimulation can induce

cytokine secretion and modulate cellular adhesion.

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