

PE/Cyanine7 Anti-Human CD7 Antibody[CD7-6B7]

Catalog Number: AN00873H

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

Description

| | |
|--------------------------------|---|
| Reactivity | Human |
| Host | Mouse |
| Isotype | Mouse IgG2a, κ |
| Clone No. | CD7-6B7 |
| Isotype Control | PE/Cyanine7 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09802H] |
| Conjugation | PE/Cyanine 7 |
| Conjugation Information | PE/Cyanine 7 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. |

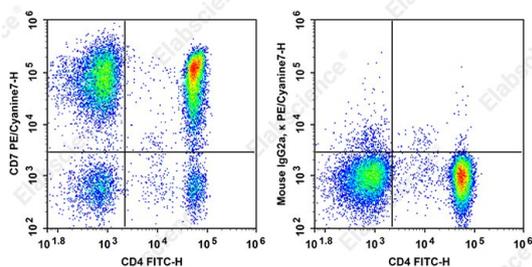
Applications

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 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

Data



Staining of normal human peripheral blood cells with FITC Anti-Human CD4 Antibody and PE/Cyanine7 Anti-Human CD7 Antibody[CD7-6B7] (left) or PE/Cyanine7 Mouse IgG2a, κ Isotype Control (right). Cells in the lymphocytes gate were used for analysis.

Preparation & Storage

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|-----------------|---|
| Storage | Keep as concentrated solution. This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze. |
| Shipping | Ice bag |

Antigen Information

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|------------------------|--------|
| Alternate Names | gp40 |
| Uniprot ID | P09564 |

For Research Use Only

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.