

APC Anti-Human CD7 Antibody[HIT7]

Catalog Number: E-AB-F1315E

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

Description

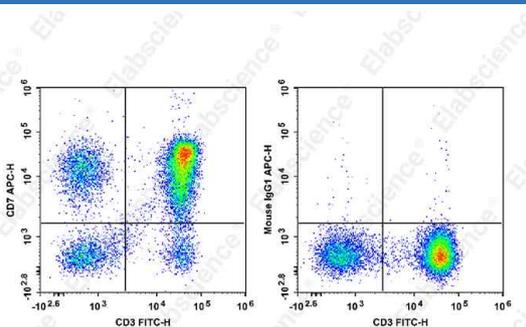
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| Reactivity | Human |
| Host | Mouse |
| Isotype | Mouse IgG1, κ |
| Clone No. | HIT7 |
| Isotype Control | APC Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792E] |
| Conjugation | APC |
| Conjugation Information | APC is designed to be 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

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| 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. |
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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).

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 | CD7;GP40;T-cell antigen CD7;T-cell leukemia antigen;T-cell surface antigen Leu-9; TP41 |
| 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.