

PE/iFluor™ 700 Anti-human CD7 Antibody *HIT7*

Catalog number: 100701X0, 100701X1, 100701X2

Unit size: 25 tests, 100 tests, 500 tests

Product Details

Storage Conditions 2-8°C with minimized light exposure. Do not freeze.

Expiration Date 12 months upon receiving

Concentration 0.1 mg/mL

Formulation Phosphate-buffered saline (PBS, pH 7.2), 0.09% sodium azide, 0.2% (w/v) BSA

Antibody Properties

Species Reactivity Human

Class Primary

Clonality Monoclonal

Host Mouse

Isotype Mouse IgG1

Immunogen CD7 (gp40, TP41)

Clone HIT7

Conjugate PE/iFluor™ 700

Biological Properties

Preparation Antibody purified by affinity chromatography and then conjugated with PE/iFluor™ 700 under optimal

conditions

Application Flow Cytometry (FACS)

Spectral Properties

Conjugate PE/iFluor™ 700

Excitation Wavelength 566 nm

Emission Wavelength 708 nm

Applications

HIT7 is an anti-human monoclonal antibody that recognizes the CD7 antigen. CD7 (also known as gp40) is a 40 kD single-pass type I membrane protein that is located on the surface of cells like NK cells, stem cells and T cells. CD7 has been closely linked to essential biological processes such as immune response, particularly adaptive immune response. Furthermore, it is involved with important cellular pathways, namely, the transmembrane receptor protein tyrosine kinase signaling pathway. From a research standpoint, it is of biological interest due to its association with vital macromolecules/ligands like PI3-Kinase. CD7 is a fairly uncommon antibody target, with a little more than 3600 publications in the last

study of immunology and costimulato 700 (ex/em = 566/708 nm). It is comp NovoCyte).	atible with the 561 nm laser a	nd 695/40 nm bandpass filt	er (for example, as in the Ag	gilent Technologies
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