Data Sheet (Cat.No.TMAY-01491F)

Anti-CD7 Antibody-FITC (1I664)

Product Details

Ig Type:	Mouse IgG2b
Reactivity:	Human
Conjugation:	FITC
Clone:	1I664
Purification:	Protein A

Applications

Verified Activity:	Flow cytometric analysis of Human CD7 expression on human whole blood Lymphocytes. Cells were stained with FITC-conjugated anti-Human CD7. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of viable Lymphocytes.
Application:	FCM
Recommended	5 µl/Test, 0.1 mg/ml

Properties

Stability & Storage:	Store at 2°C-8°C for 12 months, do not freeze. Keep away from direct sunlight. Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human CD7 Protein (TMPY-01195)
Antigen Species:	Human
Synonyms:	CD7 molecule

Research Background

The cluster of differentiation (CD) system is commonly used as cell markers in Immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. CD7 is a transmembrane protein that is a member of the immunoglobulin superfamily. This protein is found on thymocytes and mature T cells. It plays an essential role in T-cell interactions and also in T-cell / B-cell interaction during early lymphoid development.

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