

Anti-CD7 Antibody (9K84)

Product Details

Ig Type:	Mouse IgG2b
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	9K84
Purification:	Protein A

Applications

Verified Activity:	<ol style="list-style-type: none">1. Anti-CD7 mouse monoclonal antibody at 1:500 dilution.<ul style="list-style-type: none">-Lane A: Jurkat Whole Cell lysate.-Lysates/proteins at 30 µg per lane.-Secondary<ul style="list-style-type: none">-Goat Anti-Mouse IgG (H+L)/HRP at 1/10000 dilution.-Developed using the ECL technique.-Performed under reducing conditions.2. Flow cytometric analysis of Human CD7 expression on human whole blood Lymphocytes. Cells were stained with purified anti-Human CD7, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of viable Lymphocytes.3. Immunochemical staining of human CD7 in human lymph node with mouse monoclonal antibody at 1:60 dilution, formalin-fixed paraffin embedded sections.
Application:	FCM,IHC-P,WB
Recommended	WB: 1:500-1:2000; IHC-P: 1:30-1:100; FCM: 1:25-1:100

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Human CD7 Plasmid
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

A DRUG SCREENING EXPERT

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481