

Anti-CD7 Antibody (4Z579)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	4Z579
Purification:	Protein A

Applications

Verified Activity:	<p>1. Anti-CD7 rabbit monoclonal antibody at 1:500 dilution.</p> <ul style="list-style-type: none">-Lane A: Jurkat Whole Cell lysate.-Lysates/proteins at 30 µg per lane.-Secondary-Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.-Developed using the Odyssey technique.-Performed under reducing conditions.-Predicted band size:25 kDa.-Observed band size:37 kDa. <p>2. CD7 was immunoprecipitated using:</p> <ul style="list-style-type: none">-Lane A:0.5 mg Jurkat Whole Cell Lysate.-2 µL anti-CD7 rabbit monoclonal antibody and 15 µl of 50 % Protein G agarose.-Primary antibody:-Anti-CD7 rabbit monoclonal antibody, at 1:200 dilution.-Secondary antibody:-Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution.-Developed using the odyssey technique.-Performed under reducing conditions.-Predicted band size: 34 kDa.-Observed band size: 34 kDa
Application:	IP,WB
Recommended	WB: 1:500-1:2000; IP: 4-6 µL/mg of lysate

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: 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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