

## Anti-CD7 Antibody (3X47)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human; Not React with: Mouse, Rat
Conjugation:	Unconjugated
Clone:	3X47
Purification:	Protein A

## Applications

Verified Activity:	1. Immunochemical staining of human CD7 in human tonsil with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections). Positive staining was localized to membrane of T cells. 2. Immunochemical staining of human CD7 in human lymphoid node with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections). Positive staining was localized to membrane of T cells.
Application:	ELISA, ELISA(Cap), IHC-P
Recommended	ELISA: 1:5000-1:10000; IHC-P: 1:100-1:500; ELISA(Cap): 1:250-1:2000

## 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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