

## Anti-CD7 Antibody-PE (4G531)

## Product Details

Ig Type:	Mouse IgG2b
Reactivity:	Human
Conjugation:	PE
Clone:	4G531
Purification:	Protein A

## Applications

Verified Activity:	Flow cytometric analysis of Human CD7 expression on human whole blood Lymphocytes. Cells were stained with PE-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	2 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.
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 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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