

## Anti-CD7 Monoclonal Antibody Catalog # ABO14583

### Specification

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#### Anti-CD7 Monoclonal Antibody - Product Information

Application	WB, IHC, IF, ICC, IP
Primary Accession	<a href="#">P09564</a>
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid

#### Description

Anti-CD7 Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human.

#### Anti-CD7 Monoclonal Antibody - Additional Information

Gene ID 924

#### Other Names

T-cell antigen CD7, GP40, T-cell leukemia antigen, T-cell surface antigen Leu-9, TP41, CD7, CD7

#### Application Details

WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>IP 1:50

#### Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

#### Immunogen

A synthesized peptide derived from human CD7 Not yet known.

#### Purification

Affinity-chromatography

Storage

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

#### Anti-CD7 Monoclonal Antibody - Protein Information

Name CD7

#### Function

Transmembrane glycoprotein expressed by T-cells and natural killer (NK) cells and their precursors (PubMed:<a href="http://www.uniprot.org/citations/7506726" target="\_blank">7506726</a>).

Plays a costimulatory role in T-cell activation upon binding to its ligand K12/SECTM1 (PubMed:<a href="http://www.uniprot.org/citations/10652336" target="\_blank">10652336</a>). In turn, mediates the production of cytokines such as IL-2 (PubMed:<a href="http://www.uniprot.org/citations/1709867" target="\_blank">1709867</a>). On resting NK-cells, CD7 activation results in a significant induction of interferon-gamma levels (PubMed:<a href="http://www.uniprot.org/citations/7506726" target="\_blank">7506726</a>).

#### Cellular Location

Membrane; Single-pass type I membrane protein.

#### Tissue Location

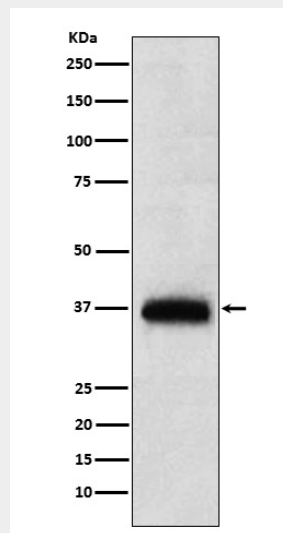
Expressed on T-cells and natural killer (NK) cells and their precursors.

### Anti-CD7 Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Anti-CD7 Monoclonal Antibody - Images



Western blot analysis of CD7 expression in human PBMC lysate.