

CD7 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP13714c**Specification**

CD7 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [P09564](#)**CD7 Antibody (Center) Blocking peptide - 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

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13714c was selected from the Center region of CD7. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CD7 Antibody (Center) Blocking peptide - Protein Information

Name CD7

Function

Transmembrane glycoprotein expressed by T-cells and natural killer (NK) cells and their precursors (PubMed:7506726). Plays a costimulatory role in T-cell activation upon binding to its ligand K12/SECTM1 (PubMed:10652336). In turn, mediates the production of cytokines such as IL-2 (PubMed:1709867). On resting NK-cells, CD7 activation results in a significant induction of interferon-gamma levels (PubMed:7506726).

Cellular Location

Membrane; Single-pass type I membrane protein.

Tissue Location

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

CD7 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

CD7 Antibody (Center) Blocking peptide - Images

CD7 Antibody (Center) Blocking peptide - Background

This gene encodes a transmembrane protein which 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.

CD7 Antibody (Center) Blocking peptide - References

Rohrs, S., et al. J Hematol Oncol 3, 15 (2010) :Rogers, S.L., et al. Mol. Cancer 9, 41 (2010) :Koh, H.S., et al. Mol. Cells 28(6):553-558(2009)Yoo, E.H., et al. Korean J Lab Med 29(6):491-496(2009)SundarRaj, S., et al. Mol. Immunol. 46(16):3411-3419(2009)