10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CD7 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1805a

Specification

CD7 Antibody - Product Information

Application	**E, WB, IHC**
Primary Accession	P09564
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**25.4kDa KDa**

Description
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.

Immunogen
Purified recombinant fragment of human CD7 (AA: 72-175) expressed in E. Coli.

Formulation
Purified antibody in PBS with 0.05% sodium azide

CD7 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

Dilution
E~~1/10000
WB~~1/500 - 1/2000
IHC~~1/200 - 1/1000

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
CD7 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

CD7 Antibody - Protein Information

Name CD7

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Function
Not yet known.

Cellular Location
Membrane; Single-pass type I membrane protein.

CD7 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 Cytomety
- Cell Culture

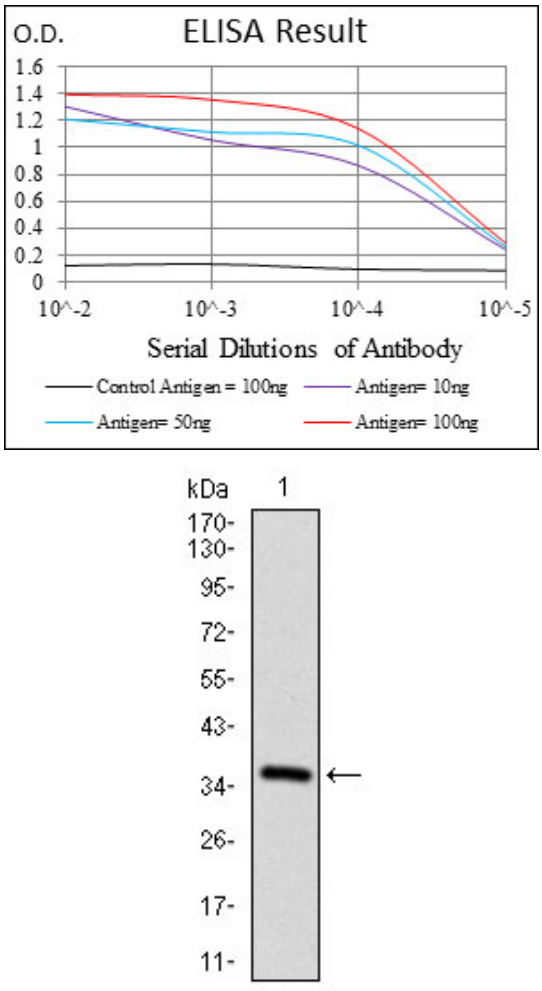


Figure 1: Western blot analysis using CD7 mAb against human CD7 recombinant protein. (Expected MW is 36.6 kDa)

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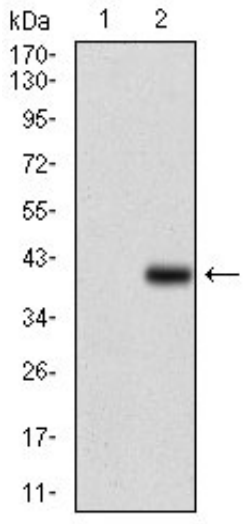


Figure 2: Western blot analysis using CD7 mAb against HEK293 (1) and CD7 (AA: 72-175)-hIgGFc transfected HEK293 (2) cell lysate.

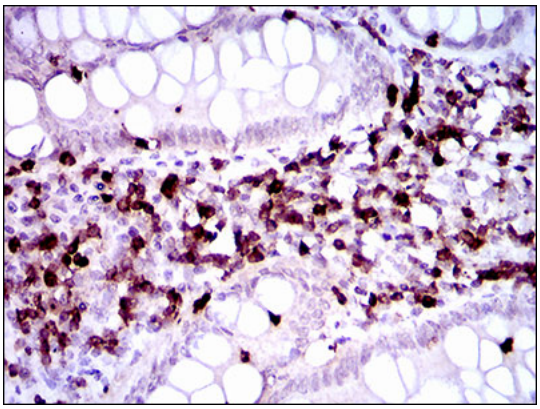


Figure 3: Immunohistochemical analysis of paraffin-embedded endometrial cancer tissues using CD7 mouse mAb with DAB staining.

CD7 Antibody - 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 - References

1.Mol Cancer. 2010 Feb 22;9:41. 2.J Hematol Oncol. 2010 Apr 14;3:15.