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CD7 Antibody (monoclonal) (M04)

Mouse monoclonal antibody raised against a full length recombinant CD7.
Catalog # AT1444a

Product Information

Application	WB, IP, E
Primary Accession	P09564
Other Accession	BC009293
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	1B8
Calculated MW	25409

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	CD7 (AAH09293, 21 a.a. ~ 240 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IP~~N/A E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	CD7 Antibody (monoclonal) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

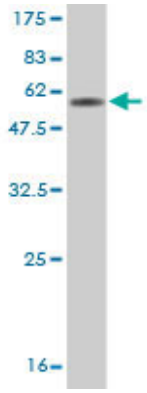
This gene encodes a transmembrane protein which is a member of the immunoglobulin superfamily. This protein is found on thymocytes and mature T cells. It plays an essential role in T-cell interactions and also in T-cell/B-cell interaction during early lymphoid development.

References

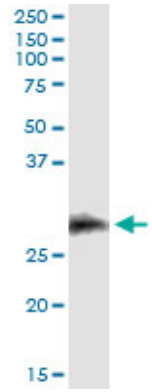
CD7 in acute myeloid leukemia: correlation with loss of wild-type CEBPA, consequence of epigenetic regulation. R?hrs S, et al. J Hematol Oncol, 2010 Apr 14. PMID 20398252.Expression of the leukemic prognostic marker CD7 is linked to epigenetic modifications in chronic myeloid leukemia. Rogers SL, et al.

Mol Cancer, 2010 Feb 22. PMID 20175919.Frequent CD7 antigen loss in aggressive natural killer-cell leukemia: a useful diagnostic marker. Yoo EH, et al. Korean J Lab Med, 2009 Dec. PMID 20046078.Twist2 regulates CD7 expression and galectin-1-induced apoptosis in mature T-cells. Koh HS, et al. Mol Cells, 2009 Dec 31. PMID 19937140.Glycodelin A triggers T cell apoptosis through a novel calcium-independent galactose-binding lectin activity. SundarRaj S, et al. Mol Immunol, 2009 Oct. PMID 19683346.

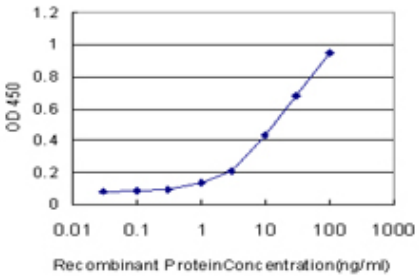
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (49.94 KDa) .



Immunoprecipitation of CD7 transfected lysate using anti-CD7 monoclonal antibody and Protein A Magnetic Bead (U0007), and immunoblotted with CD7 MaxPab rabbit polyclonal antibody.



Detection limit for recombinant GST tagged CD7 is approximately 0.3ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.