

## Product datasheet for **TA506337AM**

### CD7 Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI1A6]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1A6
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human CD7(NP_006128) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	22.9 kDa
Gene Name:	CD7 molecule
Database Link:	<a href="#">NP_006128</a> <a href="#">Entrez Gene 924 Human</a> <a href="#">P09564</a>
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. [provided by RefSeq, Jul 2008]
Synonyms:	GP40; LEU-9; Tp40; TP41

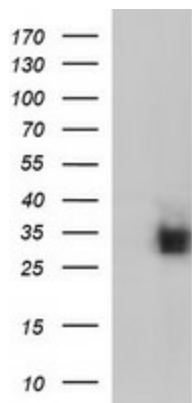


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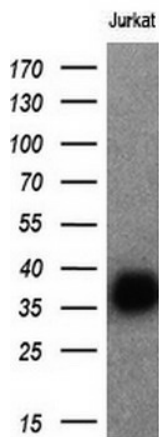
**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Hematopoietic cell lineage

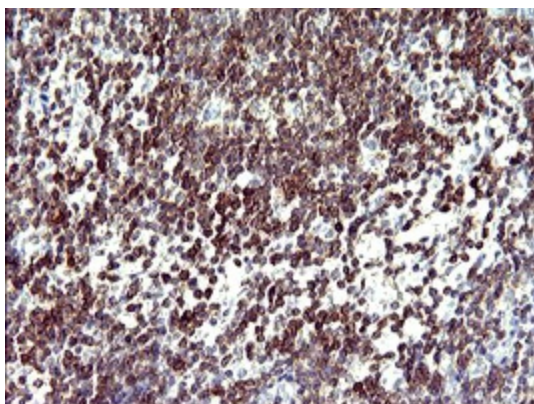
**Product images:**



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY CD7 (Cat# [RC201231], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CD7 (Cat# [TA506337]). Positive lysates [LY416844] (100ug) and [LC416844] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (10ug) from 1 cell line by using anti-CD7 monoclonal antibody (1:200).



Immunohistochemical staining of paraffin-embedded Human lymph node tissue within the normal limits using anti-CD7 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA506337])