

## Recombinant CD7 (T-Cell Leukemia Marker) Antibody

Rabbit Monoclonal Antibody [Clone CD7/8496R]

Catalog No	Format	Size
924-RBM19-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
924-RBM19-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
924-RBM19-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

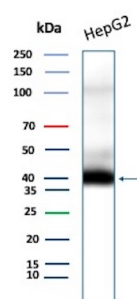
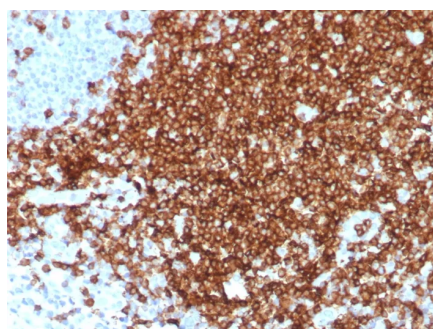
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

### Product Details

Clone	CD7/8496R
Gene Name	CD7
Immunogen	Recombinant fragment (around aa 72-175) of human CD7 protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	40kDa
Cellular Localization	Cell surface
Species Reactivity	Human
Positive Control	Human spleen, HepG2 or Jurkat cells. Human lymph node or tonsil.

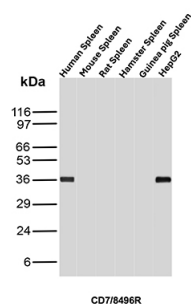
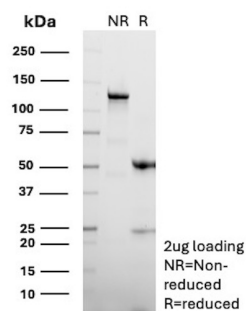
*\*Optimal dilution for a specific application should be determined.*

### Product Images for Recombinant CD7 (T-Cell Leukemia Marker) Antibody



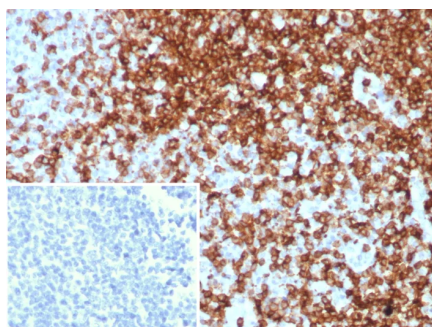
Formalin-fixed, paraffin-embedded human tonsil stained with CD7 Recombinant Rabbit Monoclonal Antibody (CD7/8496R). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

Western blot analysis of HepG2 cell lysate using CD7 Recombinant Rabbit Monoclonal Antibody (CD7/8496R).



SDS-PAGE Analysis of Purified CD7 Recombinant Rabbit Monoclonal Antibody(CD7/8496R). Confirmation of Purity and Integrity of Antibody

Western blot analysis of (1) human, (2) mouse, (3) rat, (4) hamster and (5) guinea pig spleen tissue lysates using CD7 Recombinant Rabbit Monoclonal Antibody (CD7/8496R).



Formalin-fixed, paraffin-embedded human tonsil stained with CD7 Recombinant Rabbit Monoclonal Antibody (CD7/8496R). Inset: PBS instead of primary antibody; secondary only negative control.

## Specificity & Comments

Recognizes a protein of 40kDa, identified as CD7 (also known as gp40, Leu9). CD7 is a member of the immunoglobulin gene superfamily. Its N-terminal amino acids 1-107 are highly homologous to Ig kappa-L chains whereas the carboxyl-terminal region of the extracellular domain is proline-rich and has been postulated to form a stalk from which the Ig domain projects. CD7 is expressed on the majority of immature and mature T-lymphocytes, and T cell leukemia. It is also found on natural killer cells, a small subpopulation of normal B cells and on malignant B cells. Cross-linking surface CD7 positively modulates T cell and NK cell activity as measured by calcium fluxes, expression of adhesion molecules, cytokine secretion and proliferation. CD7 associates directly with phosphoinositol 3'-kinase. CD7 ligation induces production of D-3 phosphoinositides and tyrosine phosphorylation.

## Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

## Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

## Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.