

Anti-CD7 Antibody [CD7/3737] (A250549)

Specifications:

Name:	Anti-CD7 Antibody [CD7/3737]
Description:	Mouse monoclonal [CD7/3737] antibody to CD7.
Specificity:	This antibody 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.
Applications:	WB, IHC-P
Recommended Dilutions:	WB: 1-2 µg/ml, IHC-P: 1-2 µg/ml
Reactivity:	Human
Immunogen:	Recombinant fragment, around amino acids 72-175, of human CD7 protein. The exact sequence is proprietary.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	CD7/3737
Isotype:	IgG1
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

Anti-CD7 Antibody [CD7/3737] (A250549)

Specifications continued:

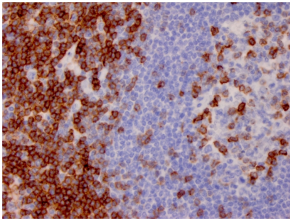
General Notes:

This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-CD7 Antibody [CD7/3737] - BSA and Azide free (A253729).

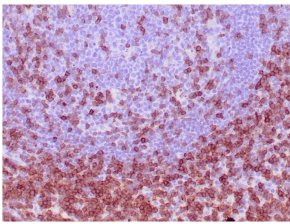
Disclaimer:

This product is for research use only. It is not intended for diagnostic or therapeutic use.

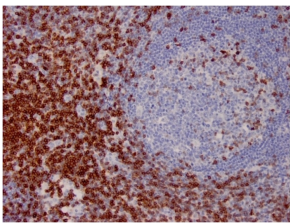
Images:



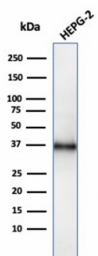
Immunohistochemical analysis of formalin-fixed, paraffin-embedded human lymph node using Anti-CD7 Antibody [CD7/3737].



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human tonsil using Anti-CD7 Antibody [CD7/3737].



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human lymph node using Anti-CD7 Antibody [CD7/3737].



Western blot analysis of HepG2 cell lysate using Anti-CD7 Antibody [CD7/3737].