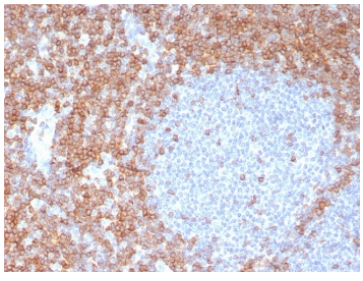
CD7 Antibody / Leukemia and Lymphoma Marker Antibody [clone CD7/8118R] (V4559)

Catalog No.	Formulation	Size
V4559-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4559-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4559SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

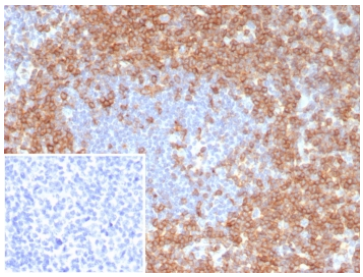
Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	CD7/8118R
Purity	Protein A/G affinity
UniProt	P09564
Localization	Cell Surface
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This CD7 Antibody / Leukemia and Lymphoma Marker Antibody is available for research use only.



CD7 Antibody Tonsil IHC. Immunohistochemistry analysis of CD7 / T-cell antigen CD7 in human tonsil tissue demonstrates strong HRP-DAB brown membranous staining of lymphoid cells concentrated in interfollicular regions with relative sparing of germinal centers, consistent with CD7-positive T lymphocyte populations relevant to leukemia and lymphoma biology, while surrounding non-lymphoid areas remain largely negative. CD7 antibody clone CD7/8118R was applied following heat-induced epitope retrieval in pH 9 Tris-EDTA buffer, supporting its use as a leukemia and lymphoma marker in FFPE tissue sections.



CD7 Antibody Human Tonsil IHC. Immunohistochemistry analysis of CD7 / T-cell antigen CD7 in human tonsil tissue shows strong HRP-DAB brown membranous staining of lymphoid cells within interfollicular regions with relative sparing of germinal centers, consistent with CD7-positive T lymphocyte populations relevant to leukemia and lymphoma studies, while surrounding areas remain largely negative. The inset shows absence of staining when PBS is used in place of primary antibody, confirming specificity. CD7 antibody clone CD7/8118R was applied following heat-induced epitope retrieval in pH 9 Tris-EDTA buffer, supporting its use as a leukemia and lymphoma marker in FFPE tissue sections.

Description

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.

This antibody is part of a broader CD7 antibody collection designed to support T cell biology, immune profiling, and hematologic cancer research.

Application Notes

Optimal dilution of the CD7 Antibody / Leukemia and Lymphoma Marker Antibody should be determined by the researcher.

Immunogen

A recombinant partial protein sequence (within amino acids 1-240) from the human protein was used as the immunogen for the CD7 antibody.

Storage

Aliquot the CD7 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Alternate Names

CD7 leukemia marker antibody, CD7 lymphoma marker antibody, CD7 hematologic cancer antibody, T-cell antigen CD7 antibody, CD7 tumor marker antibody