

CD7 Antibody [clone 124-1D1] (V2964)

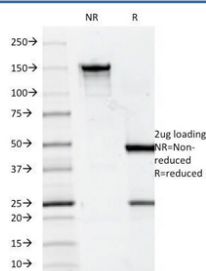
Catalog No.	Formulation	Size
V2964-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2964-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2964SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug



Citations (6)

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Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	124-1D1
Purity	Protein G affinity chromatography
UniProt	P09564
Localization	Cell surface
Applications	Flow Cytometry : 0.5-1ug/10 ⁶ cells Immunofluorescence : 0.5-1ug/ml
Limitations	This CD7 antibody is available for research use only.



SDS-PAGE Analysis of Purified, BSA-Free CD7 Antibody (clone 124-1D1). Confirmation of Integrity and Purity of the Antibody.

Description

Recognizes a protein of 40kDa, identified as CD7 (Workshop IV; Code T155). 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.

Application Notes

Optimal dilution of the CD7 antibody should be determined by the researcher.

Immunogen

Human leukocytes were used as the immunogen for the CD7 antibody.

Storage

Store the CD7 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).