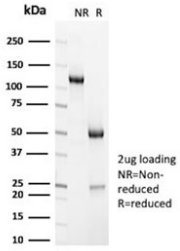
CD7 Antibody HuLy-m2 / Mouse Monoclonal [clone HuLy-m2] (V2963)

Catalog No.	Formulation	Size
V2963-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2963-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2963SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Citations (3)

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	HuLy-m2
Purity	Protein G affinity chromatography
UniProt	P09564
Localization	Cell surface
Applications	Flow cytometry: 1-2ug/10^6 cells Immunofluorescence: 1-3ug/ml
Limitations	This CD7 Antibody HuLy-m2 is available for research use only.



SDS-PAGE analysis of purified, BSA-free CD7 Antibody HuLy-m2 as confirmation of integrity and purity.

Description

CD7 Antibody HuLy-m2 recognizes a protein of 40kDa, identified as CD7 (Workshop IV; Code T165). 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 HuLy-m2 should be determined by the researcher.

Immunogen

Human thymocytes 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).

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