

CD7 (ZR416)

Rabbit Monoclonal Antibody

Host: Rabbit
Specificity: Human
Immunogen: Recombinant fragment (around aa 72-175) of human CD7 protein
Ig Class: IgG
Storage: Store at 2-8°C for up to 2 years for concentrate form and 18 months for predilute form.

Specifications: CD7 (ZR416) Rabbit Monoclonal primary antibody detects CD7 protein in formalin-fixed, paraffin-embedded samples by immunohistochemical (IHC) staining.

Staining procedures: Use formalin-fixed and paraffin-embedded sections. Retrieval conditions: Pretreatment of deparaffinized samples via heat-induced epitope retrieval is recommended. Detection method: Polymer anti-mouse/rabbit Ig detection system. Working dilution: 1:100-200. Positive Control: sample known to contain CD7 protein.

Localization: Membrane.

Intended Use: Research Use Only (RUO). This antibody is not for diagnostic use.

Description: Recognizes a protein of 40 kDa, 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 by the majority of immature and mature T-lymphocytes, and T cell leukemia. It is also expressed by natural killer cells, a small subpopulation of normal B cells and by malignant B cells. Cross-linking surface CD7 positively modulates T cell and NK cell activity as measured by calcium influxes, 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: Purified antibody in Tris-HCl pH 7.4 buffer containing stabilizing proteins (including < 1% Bovine Serum Albumin) and < 0.1% ProClin by volume.

References:

1. Stillwell R, et al. Immunol Res. 2001; 24:31-52.
2. Schanberg LE, et al. Proc Natl Acad Sci USA. 1991; 88:603-7.
3. Chabannon C, et al. J Immunol. 1992; 149:2110-3.



Z2772RL-R/ Z2772RS-R/ Z2772RT-R/ Z2772RP-R (1.0ml Concentrate/ 0.5ml Con./ 0.1ml Con./ 7ml Pre-dil)



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(research
use only)



(lot number)



(catalogue
number)



(expiry date)



(temperature
limit)



(consult
Instructions
for Use)