



Rabbit Anti-Human CD7 monoclonal antibody, clone TQ05 (CABT-L1724)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	CD7
Immunogen	Synthetic peptide corresponding to internal region of human CD7 protein.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	TQ05
Purification	Protein A/G purified
Conjugate	Unconjugated
Applications	IHC-P
Molecular Weight	40 kDa
Cellular Localization	Membrane
Positive Control	Tonsil
Format	Liquid
Buffer	PBS, 1% BSA, pH 7.6
Preservative	< 0.1% Sodium Azide
Storage	2-8°C. Do not freeze. The user must validate any other storage conditions. When properly

stored, the reagent is stable to the date indicated on the label. Do not use the reagent beyond the expiration date.

BACKGROUND

Introduction

CD7 (gp40, Leu9) 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 carboxy-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.

Keywords

CD7;CD7 molecule;GP40;TP41;Tp40;LEU-9;T-cell antigen CD7;p41 protein;CD7 antigen (p41);T-cell leukemia antigen;T-cell surface antigen Leu-9

GENE INFORMATION

Entrez Gene ID

[55136](#)

UniProt ID

[P09564](#)
