

CD7 monoclonal antibody

Catalog: MB65801

Host: Mouse

Reactivity: Human

BackGround:

CD7 is a type-I transmembrane glycoprotein belonging to the immunoglobulin superfamily. CD7 is one of the earliest surface markers to be expressed on the surface of developing T cells and its expression is maintained throughout maturation of multiple T cell subsets and NK cells. Engagement of CD7 through binding its ligand, SECTM1, has been shown to promote tyrosine phosphorylation of its cytoplasmic domain, recruitment of PI3K, and delivery of costimulatory signals for T cell activation. While CD7 is expressed on normal T cells, it is also highly expressed in a variety of T cell malignancies, which has poised it as a potential target of immunotherapy.

Product:

Mouse IgG1. Liquid in PBS, pH 7.3, and 0.02% sodium azide.

Molecular Weight:

~ 25 kDa

Swiss-Prot:

P09564

Purification&Purity:

The monoclonal antibody was affinity-purified from mouse antiserum by affinity-chromatography using

epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

IF (1/50 - 1/200)

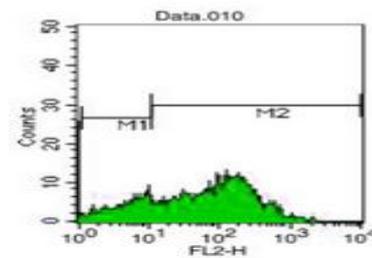
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes human CD7

DATA:



Flow cytometric analysis of human peripheral blood lymphocytes using Anti-CD7 Antibody, followed by anti-mouse IgG PE.

Note:

For research use only, not for use in diagnostic procedure.

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