BT LAB
Bioassay Technology Laboratory

Optimize Your Research

CD10 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA3905
Host	Mouse
Isotype	Mouse IgG1
Size	100μL, 50μL
Immunogen	Purified recombinant fragment of human CD10 (AA: extra 549-750) expressed in E. Coli.
Mol wt	85.5kDa
Species reactivity	Others
Clonality	Monoclonal
Recommended application	FCM
Concentration	N/A
Full name	N/A
Synonyms	MME;NEP;SFE;CALLA;CMT2T;SCA43

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The protein encoded by this gene is a type II transmembrane glycoprotein and a common acute lymphocytic leukemia antigen that is an important cell surface marker in the diagnosis of human acute lymphocytic leukemia (ALL). The encoded protein is present on leukemic cells of pre-B phenotype, which represent 85% of cases of ALL. This protein is not restricted to leukemic cells, however, and is found on a variety of normal tissues. The protein is a neutral endopeptidase that cleaves peptides at the amino side of hydrophobic residues and inactivates several peptide hormones including glucagon, enkephalins, substance P, neurotensin, oxytocin, and bradykinin.

Recommended Dilution

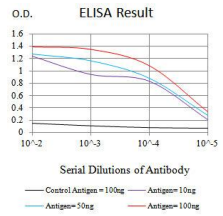
WB: 1:500 - 1:2000

FCM: 1:200-1:400

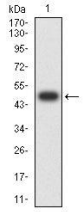
ELISA: 1:10000

Not yet tested in other applications.

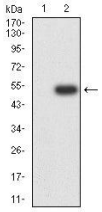
Images



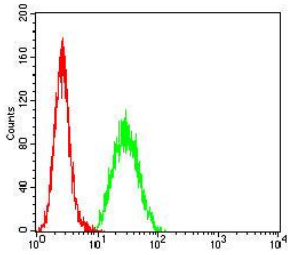
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



Western blot analysis using CD10 mAb against human CD10 (AA: extra 549-750) recombinant protein. (Expected MW is 48.8 kDa)



Western blot analysis using CD10 mAb against HEK293-6e (1) and CD10 (AA: extra 549-750)-hIgGFc transfected HEK293-6e (2) cell lysate.



Flow cytometric analysis of Hela cells using CD10 mouse mAb (green) and negative control (red).

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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