
Product Name: CD10 Mouse Monoclonal Antibody**Catalog #: AMM82625**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2b
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	85kDa

Antigen Information

Gene Name	CD10
Alternative Names	MME; NEP; SFE; CALLA
Gene ID	4311.0
SwissProt ID	P08473
Immunogen	Purified recombinant fragment of human CD10 (AA: (651-750)) expressed in E. Coli.

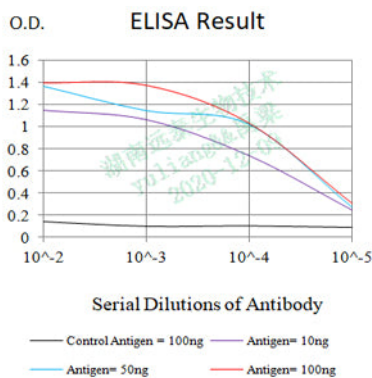
Background

This gene encodes a common acute lymphocytic leukemia antigen that is an important cell surface marker in the diagnosis of human acute lymphocytic leukemia (ALL). This 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. It is a

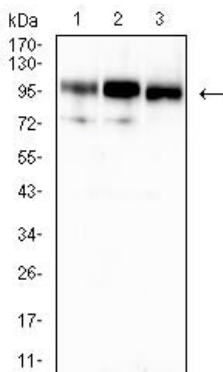
glycoprotein that is particularly abundant in kidney, where it is present on the brush border of proximal tubules and on glomerular epithelium. The protein is a neutral endopeptidase that cleaves peptides at the amino side of hydrophobic residues and inactivates several peptide hormones including glucagon, enkephalins, substance P, neurotensin, oxytocin, and bradykinin. This gene, which encodes a 100-kD type II transmembrane glycoprotein, exists in a single copy of greater than 45 kb. The 5' untranslated region of this gene is alternatively spliced, resulting in four separate mRNA transcripts. The coding region is not affected by alternative splicing.

Research Area

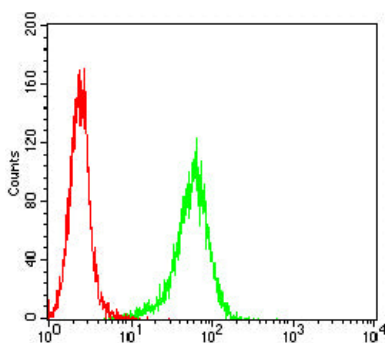
Image Data



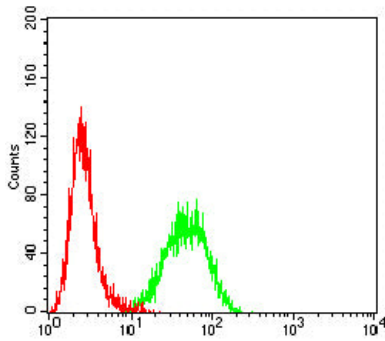
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



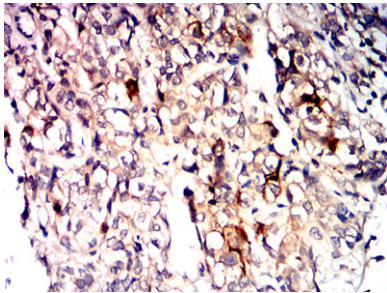
Western blot analysis using CD10 mouse mAb against Raji (1), Ramos (2), and LNCap (3) cell lysate.



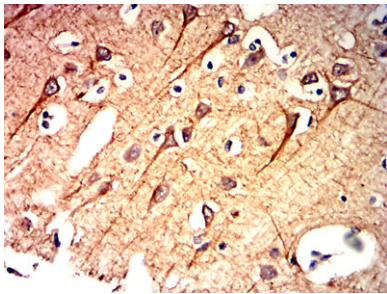
Flow cytometric analysis of HeLa cells using CD10 mouse mAb (green) and negative control (red).



Flow cytometric analysis of THP-1 cells using CD10 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human bladder cancer tissues using CD10 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human brain tissues using CD10 mouse mAb with DAB staining.