Category: Monoclonal Antibodies Cat. #: MAB-606020257

Product Name: Mouse Monoclonal Antibody to CD 10

Western Blotting

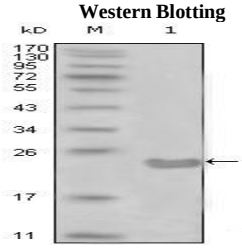

Figure 1: Western blot analysis using CD10 mouse mAb against truncated CD10-His recombinant protein (1).

IHC-P (paraffin)

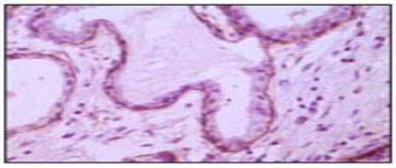

Figure 2: Immunohistochemical analysis of paraffin-embedded human breast ductal myoepithelium,showing cytoplasmic and membrane location with DAB staining using CD10 mouse mAb.

Clone#	3G9D10
Host and isotype	Mouse IgG1
Species reactivity	Human
Size	0.1ml
MW	
Aliases	NEP; CALLA
Entrez Gene	4311

Description

CD10(MME): membrane metallo-endopeptidase. 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.

Immunogen

Purified recombinant fragment of CD10 expressed in E. Coli.

Applications

Western Bloting: 1/500 - 1/2000.

Immunohistochemistry: 1/200 - 1/1000.

ELISA: Propose dilution 1/10000.

Not yet tested in other applications.

Determining optimal working dilutions by titration test.

Formulation

Ascitic fluid containing 0.03% sodium azide.

Storage

Store at 4℃, for long term storage, store at -20℃.

Related product

References

1. Journal of Gastroenterology,1996 Feb.31(1):12-7.

2. British Journal of Haematology,1995,89(3):623-6.