

CD10 monoclonal antibody

Catalog: MB23101

Host: Mouse

Reactivity: Human

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.

Product:

Purified antibody in PBS with 0.05% sodium azide

Molecular Weight:

85kDa

Swiss-Prot:

P08473

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1/500 - 1/2000 IHC:1/200 - 1/1000 FC:1/200 - 1/400

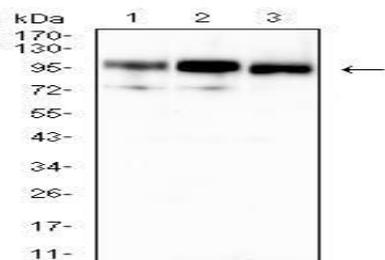
Storage&Stability:

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

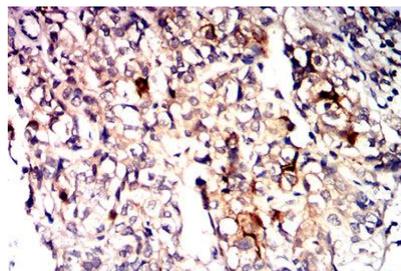
Isotype:

Mouse IgG2b

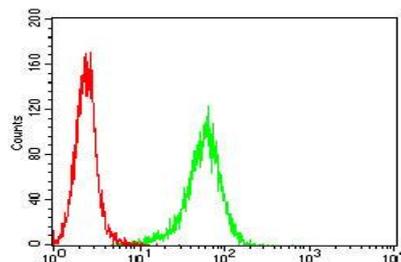
DATA:



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



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



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

Note:

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

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