

Mouse CD10 Monoclonal Antibody | anti-CD10 antibody

CD10 (Membrane Metalloendopeptidase)

CATALOG # AAA23901	HOST Mouse	REACTIVITY Human. Others not tested.	APPLICATIONS Immunohistochemistry
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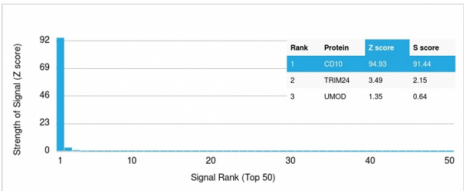
PRODUCT SYNONYMS

CD10; Monoclonal Antibody; CD10 (Membrane Metalloendopeptidase); Atriopeptidase; Common acute lymphocytic leukemia antigen (CALLA); Enkephalinase (EPN); gp100; Membrane metalloendopeptidase (MME); Neprilysin; Neutral endopeptidase (NEP); Skin fibroblast elastase (SFE); anti-CD10 antibody

PRODUCT SPECIFICATIONS

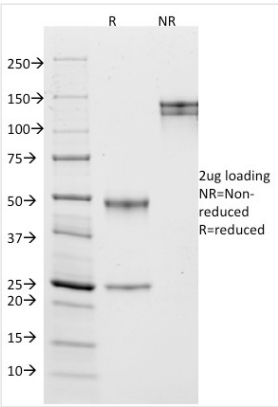
Host	Mouse
Reactivity	Human. Others not tested.
Clonality	Monoclonal
Isotype	IgG2c, kappa
Clone Number	MME/1870
Specificity	Recognizes a 100kDa glycoprotein, identified as CD10, also known as Common Acute Lymphocytic Leukemia Antigen (CALLA). It is a cell surface enzyme with neutral metalloendopeptidase activity, which inactivates a variety of biologically active peptides. CD10 is expressed on the cells of lymphoblastic, Burkitt s, and follicular germinal center lymphomas, and on cells from patients with chronic myelocytic leukemia (CML). It is also expressed on the surface of normal early lymphoid progenitor cells, immature B cells within adult bone marrow and germinal center B cells within lymphoid tissue. CD10 is also present on breast myoepithelial cells, bile canaliculi, fibroblasts, with especially high expression on the brush border of kidney and gut epithelial cells.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	750
Applicable Applications for anti-CD10 antibody	IHC (Immunohistochemistry)
Application Notes	IHC-F: 1-2ug/ml for 30 minutes at RT; Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes.
Immunogen	Recombinant human CD10 protein fragment (aa297-483)
Cellular Localization	Cell Surface and Cytoplasmic
Hu-chromosome Location	3q25.2
Positive Control	Kidney, Prostate or Small Intestine

IMAGES



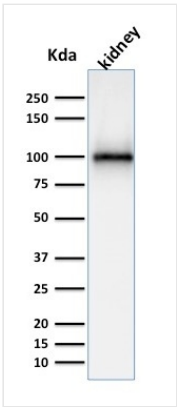
Application Data

Analysis of Protein Array containing more than 19, 000 full-length human proteins using CD10 Mouse Monoclonal Antibody (MME/1870)Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAB) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAB to its intended target. A MAB is considered to be specific to its intended target, if the MAB has an S-score of at least 2.5. For example, if a MAB binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAB to protein X is equal to 29.



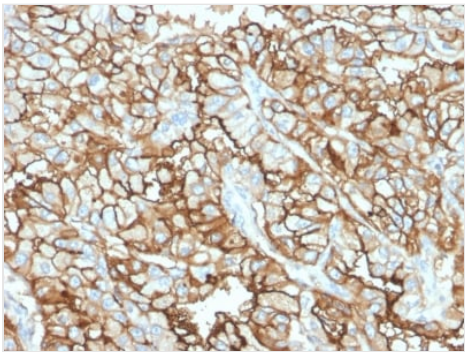
SDS-PAGE

SDS -PAGE Analysis Purified CD10 Mouse Monoclonal Antibody (MME/1870).Confirmation of Purity and Integrity



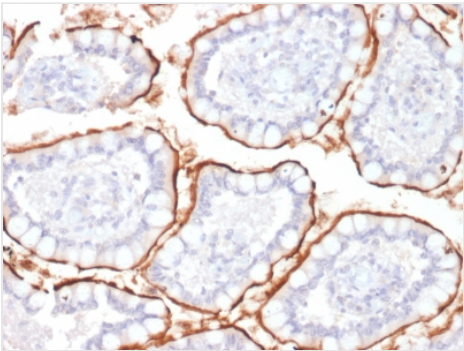
WB (Western Blot)

Western blot analysis of kidney tissue lysate using CD10 Mouse Monoclonal Antibody (MME/1870).



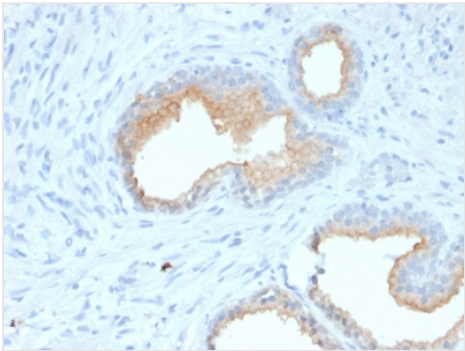
IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded Human Renal Cell Carcinoma stained with CD10 Mouse Monoclonal Antibody (MME/1870).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded Human Colon stained with CD10 Mouse Monoclonal Antibody (MME/1870).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded Human Prostate stained with CD10 Mouse Monoclonal Antibody (MME/1870).

ADDITIONAL INFORMATION

References

s Moritani S., et al. Mod Pathol 2002; 15(4):397-405.

NCBI AND UNIPROT INFORMATION

NCBI GI #

116256329

NCBI GeneID	4311
NCBI Accession #	NP_000893.2
NCBI GenBank Nucleotide #	NM_000902.3
UniProt Accession #	P08473 ; Q3MIX4 ; A8K6U6 ; D3DNJ9
Molecular Weight	100kDa
NCBI Official Full Name	neprilysin isoform a
NCBI Official Synonym Full Names	membrane metalloendopeptidase
NCBI Official Symbol	MME
NCBI Official Synonym Symbols	NEP; SFE; CD10; CALLA; CMT2T; SCA43
NCBI Protein Information	neprilysin
UniProt Protein Name	Neprilysin
UniProt Gene Name	MME
UniProt Synonym Gene Names	EPN; CALLA; NEP; Neutral endopeptidase; SFE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/cd10-antibody-clone-mme-1870-immunohistochemistry-elisa/23901>