

Mouse anti-Human CD10 Monoclonal Antibody | anti-CD10 antibody

Monoclonal Antibody to CD10 (Clone: ABM4A52)

CATALOG # AAA78260	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot, Immunohistochemistry
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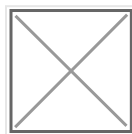
PRODUCT SYNONYMS

CD10; Monoclonal Antibody; Monoclonal Antibody to CD10 (Clone: ABM4A52); MME; EPN; Atriopeptidase; CALLA; Common acute lymphocytic leukemia antigen; Enkephalinase; NEP; Neutral endopeptidase 24.11; SFE; Skin fibroblast elastase; Antibody to CD10; Anti-CD10 Antibody; CD10 Antibody; anti-CD10 antibody

PRODUCT SPECIFICATIONS

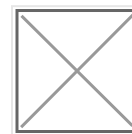
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b Kappa
Clone Number	ABM4A52
Purity/Purification	Purified Protein G Chromatography
Form/Format	25 ug in 50 ul/100 ug in 200 ul PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Sequence Length	750
Applicable Applications for anti-CD10 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Immunogen Information	A partial length recombinant CD10 protein (amino acids 282-496) was used as the immunogen for this antibody.
Antigen	CD10
Preparation and Storage	Store the antibody at 4 degree C, stable for 6 months. For long-term storage, store at -20 degree C. Avoid repeated freeze and thaw cycles.

IMAGES



WB (Western Blot)

Fig-2: Western blot analysis of CD10. Anti-CD10 antibody (Clone: ABM4A52) was tested at 0.5 ug/ml on Jurkat and Ramos lysates.



IHC (Immunohistochemistry)

Fig-1: Immunohistochemical analysis of CD10 in human Renal Cell Carcinoma tissue using CD10 antibody (Clone: ABM4A52) at 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-CD10 antibody	CD10, also known as membrane metalloendopeptidase, neutral endopeptidase, neprilysin and common acute lymphoblastic leukaemia antigen (CALLA), is a zinc-dependent metalloendoprotease that cleaves signaling peptides. It is widely expressed in various normal tissues and in epithelial, stromal or both components of various malignancies. CD10 is a marker for intestinal epithelial brush border. It is also present in normal bile ducts and gallbladder epithelia but is absent in cholangiocarcinomas. It is con-sidered as the prototype of this family of membrane-bound, zinc-dependent endopeptidases, which regulate the physiological action of various peptides by lowering their extracellular concentration available for receptor binding. CD10 is also known to be an amyloid b-peptide (Ab) degrading enzyme. Polymorphisms in the CD10 gene increase the risk for Alzheimer's disease. Outside the nervous system, it is present on the surface of neutrophils and regulates their activation by degradation of inflammatory peptides.
Product Categories/Family for anti-CD10 antibody	Antibodies; Cancer Marker

NCBI AND UNIPROT INFORMATION

NCBI GI #	128062
NCBI GeneID	4311
UniProt Accession #	P08473; Q3MIX4; A8K6U6; D3DNJ9
Molecular Weight	85,514 Da
NCBI Official Full Name	Neprilysin
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://stage.aaabiotech.com/monoclonal/cd10-antibody-clone-abm4a52-western-blot-immunohistochemistry-elisa/78260>