

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

Anti-CD10/Neprilysin Antibody, Mouse Monoclonal

CATALOG # AAA258847	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Immunohistochemistry, Western Blot
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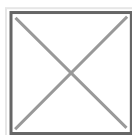
PRODUCT SYNONYMS

CD10/Neprilysin; Monoclonal Antibody; Anti-CD10/Neprilysin Antibody; Mouse Monoclonal; membrane metallo-endopeptidase; Anti-CALLA Antibody; Anti-CD10 Antibody; Anti-NEP Antibody; Anti-SFE Antibody; anti-CD10/Neprilysin antibody

PRODUCT SPECIFICATIONS

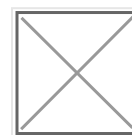
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	#28
Specificity	Human CD10
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Concentration	1 mg/mL (varies by lot)
Applicable Applications for anti-CD10/Neprilysin antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant Human CD10 Protein
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human CD10 (rh CD10; NP_000893.2; Tyr52-Trp750). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for long term when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

MME was immunoprecipitated using: Lane A: 0.5 mg Raji Whole Cell Lysate 4 uL anti-MME mouse monoclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-MME mouse monoclonal antibody, at 1:100 dilution. Secondary antibody: Rabbit Anti-Mouse IgG F(ab)2/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 85 kDa. Observed band size: 100 kDa.



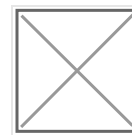
IHC (Immunohistochemistry)

Immunochemical staining of human CD10 in human uterus cancer with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human CD10 in human lymphoma with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-MME mouse monoclonal antibody at 1:500 dilution Lane A: Raji Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Mouse IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 85 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-CD10/Neprilysin antibody

The cluster of differentiation (CD) system is commonly used as cell markers in Immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alters the behavior of the cell. Some CD proteins do not take part in the cell signal process but have other functions such as cell adhesion. The cluster of differentiation 10 (CD10), also known as Neprilysin and neutral endopeptidase, is a member of the CD system. CD10 is a zinc-dependent metalloprotease enzyme that had the function to degrade some small secreted peptides such as the amyloid beta-peptide. It exists as a membrane-bound protein and has a high concentration in kidney and lung tissues. Mutations in the CD10 gene can induce the familial forms of Alzheimer's disease, providing strong evidence for the protein's association with the Alzheimer's disease process. CD10 is also associated with other biochemical processes.

References

Zola H, et al. (2007) CD molecules 2006-human cell differentiation molecules. J Immunol Methods. 318 (1-2): 1-5. Ho IC, et al. (2009) GATA3 and the T-cell lineage: essential functions before and after T-helper-2-cell differentiation. Nat Rev Immunol. 9 (2): 125-35. Matesanz-Isabel J, et al. (2011) New B-cell CD molecules. Immunology Letters. 134 (2): 104-12. Dogan, et al. (2000) CD10 and BCL-6 Expression in Paraffin Sections of Normal Lymphoid Tissue and B-Cell Lymphomas. American Journal of Surgical Pathology. 24(6): 846-52.

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-neprilysin-antibody-clone-28-immunoprecipitation-immunohistochemistry-western-blot-elisa/258847>