

Anti-CD10 MME Monoclonal Antibody
Catalog # ABO14758

Specification

Anti-CD10 MME Monoclonal Antibody - Product Information

Application	WB, IHC, IP
Primary Accession	P08473
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human
Clonality	Monoclonal
Format	Liquid

Description

Anti-CD10 MME Monoclonal Antibody . Tested in WB, IHC, IP applications. This antibody reacts with Human, Rat.

Anti-CD10 MME Monoclonal Antibody - Additional Information

Gene ID 4311

Other Names

Neprilysin, 3.4.24.11, Atriopeptidase, Common acute lymphocytic leukemia antigen, CALLA, Enkephalinase, Neutral endopeptidase 24.11, NEP, Neutral endopeptidase, Skin fibroblast elastase, SFE, CD10, MME {ECO:0000303|PubMed:27588448, ECO:0000312|HGNC:HGNC:7154}

Application Details

WB 1:500-1:2000
IHC 1:50-1:200
IP 1:50

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human CD10 CD10 is a transmembrane type II molecule and functions as a metallo-peptidase requiring zinc. Specifically, CD10 cleaves 1-3 amino-terminal amino acids from peptides with a preference for neutral amino acids (valine, iso-leucine, phenylalanine, leucine or alanine). Involved in the degradation of atrial natriuretic factor (ANF).

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-CD10 MME Monoclonal Antibody - Protein Information

Name MME {ECO:0000303|PubMed:27588448, ECO:0000312|HGNC:HGNC:7154}

Function

Thermolysin-like specificity, but is almost confined on acting on polypeptides of up to 30 amino acids (PubMed:15283675, PubMed:6208535, PubMed:6349683, PubMed:8168535). Biologically important in the destruction of opioid peptides such as Met- and Leu-enkephalins by cleavage of a Gly-Phe bond (PubMed:17101991, PubMed:6349683). Catalyzes cleavage of bradykinin, substance P and neurotensin peptides (PubMed:6208535). Able to cleave angiotensin-1, angiotensin-2 and angiotensin 1-9 (PubMed:15283675, PubMed:6349683). Involved in the degradation of atrial natriuretic factor (ANF) and brain natriuretic factor (BNP(1-32)) (PubMed:16254193, PubMed:2531377, PubMed:2972276). Displays UV-inducible elastase activity toward skin preelastic and elastic fibers (PubMed:20876573).

Cellular Location

Cell membrane; Single-pass type II membrane protein

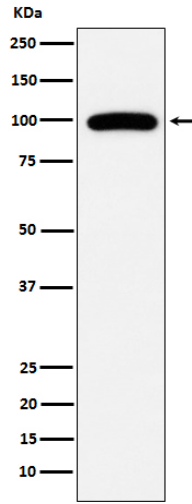
Anti-CD10 MME Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-CD10 MME Monoclonal Antibody - Images





Western blot analysis of CD10 expression in Ramos cell lysate.