

CD10

Mouse monoclonal antibody

Catalog # AP80293

Product Information

Application	IHC-P, E
Primary Accession	P08473
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	EA70
Calculated MW	85514

Additional Information

Gene ID	4311
Dilution	IHC-P~~N/A E~~Use at an assay dependent concentration.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CD10 is for research use only and not for use in diagnostic or therapeutic procedures.

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