

**CD10 Monoclonal Antibody(5B8)**  
Catalog # AP63326**Specification****CD10 Monoclonal Antibody(5B8) - Product Information**

Application	IF
Primary Accession	<a href="#">P08473</a>
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal

**CD10 Monoclonal Antibody(5B8) - Additional Information**

Gene ID 4311

**Other Names**

MME; EPN; Neprilysin; Atriopeptidase; Common acute lymphocytic leukemia antigen; CALLA; Enkephalinase; Neutral endopeptidase 24.11; NEP; Neutral endopeptidase; Skin fibroblast elastase; SFE; CD10

**Dilution**

IF~IF: 1:50-200 IHC: 1:200

**Format**

PBS, pH 7.4, containing 0.09% (W/V) sodium azide as Preservative and 50% Glycerol.

**Storage Conditions**

-20°C

**CD10 Monoclonal Antibody(5B8) - 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](http://www.uniprot.org/citations/15283675) target="\_blank">15283675</a>, PubMed: [6208535](http://www.uniprot.org/citations/6208535) target="\_blank">6208535</a>, PubMed: [6349683](http://www.uniprot.org/citations/6349683) target="\_blank">6349683</a>, PubMed: [8168535](http://www.uniprot.org/citations/8168535) target="\_blank">8168535</a>). Biologically important in the destruction of opioid peptides such as Met- and Leu-enkephalins by cleavage of a Gly-Phe bond (PubMed: [17101991](http://www.uniprot.org/citations/17101991) target="\_blank">17101991</a>, PubMed: [6349683](http://www.uniprot.org/citations/6349683) target="\_blank">6349683</a>). Catalyzes cleavage of bradykinin, substance P and neurotensin peptides (PubMed: [6208535](http://www.uniprot.org/citations/6208535) target="\_blank">6208535</a>). Able to cleave angiotensin-1, angiotensin-2 and angiotensin 1-9 (PubMed: [15283675](http://www.uniprot.org/citations/15283675) target="\_blank">15283675</a>, PubMed: [6349683](http://www.uniprot.org/citations/6349683) target="\_blank">6349683</a>). Involved in the

degradation of atrial natriuretic factor (ANF) and brain natriuretic factor (BNP(1-32)) (PubMed:<a href="http://www.uniprot.org/citations/16254193" target="\_blank">16254193</a>, PubMed:<a href="http://www.uniprot.org/citations/2531377" target="\_blank">2531377</a>, PubMed:<a href="http://www.uniprot.org/citations/2972276" target="\_blank">2972276</a>). Displays UV-inducible elastase activity toward skin preelastic and elastic fibers (PubMed:<a href="http://www.uniprot.org/citations/20876573" target="\_blank">20876573</a>).

#### Cellular Location

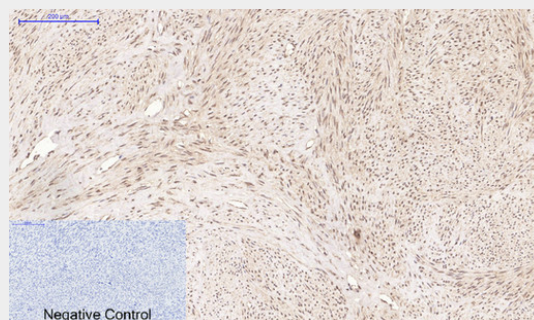
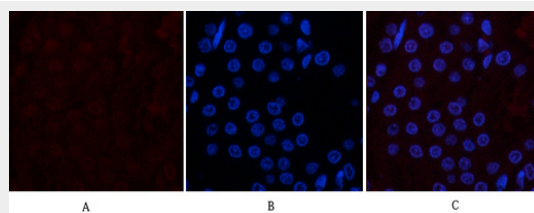
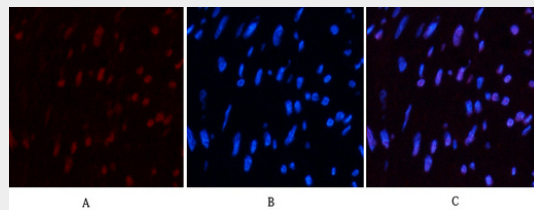
Cell membrane; Single-pass type II membrane protein

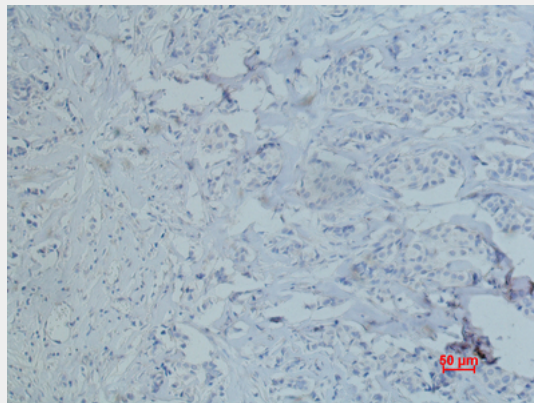
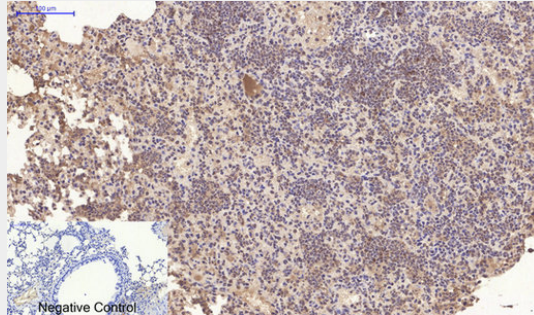
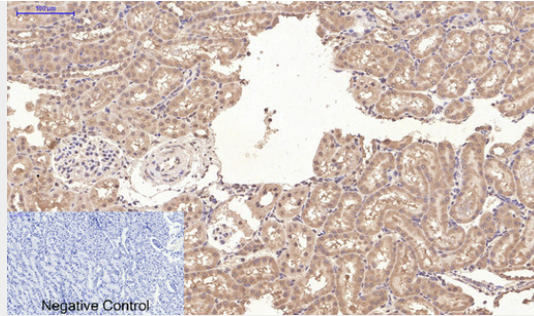
### CD10 Monoclonal Antibody(5B8) - Protocols

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](#)

### CD10 Monoclonal Antibody(5B8) - Images





### **CD10 Monoclonal Antibody(5B8) - Background**

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