

**MME / CD10 Antibody (clone 56C6)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS13884****Specification**

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**MME / CD10 Antibody (clone 56C6) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC                    |
| Primary Accession | <a href="#">P08473</a> |
| Reactivity        | Human, Rat             |
| Host              | Mouse                  |
| Clonality         | Monoclonal             |
| Calculated MW     | 86kDa KDa              |

**MME / CD10 Antibody (clone 56C6) - 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, EPN

**Target/Specificity**

Extracellular

**Reconstitution & Storage**

Stable for 24 months when stored at 2-8°C.

**Precautions**

MME / CD10 Antibody (clone 56C6) is for research use only and not for use in diagnostic or therapeutic procedures.

**MME / CD10 Antibody (clone 56C6) - 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:<a href="http://www.uniprot.org/citations/6349683" target="\_blank">6349683</a>, PubMed:<a href="http://www.uniprot.org/citations/6208535" target="\_blank">6208535</a>, PubMed:<a href="http://www.uniprot.org/citations/15283675" target="\_blank">15283675</a>, PubMed:<a href="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:<a href="http://www.uniprot.org/citations/6349683" target="\_blank">6349683</a>, PubMed:<a href="http://www.uniprot.org/citations/17101991" target="\_blank">17101991</a>). Catalyzes cleavage of bradykinin, substance P and neurotensin peptides (PubMed:<a href="http://www.uniprot.org/citations/6208535" target="\_blank">6208535</a>). Able to cleave

angiotensin-1, angiotensin-2 and angiotensin 1-9 (PubMed:<a href="http://www.uniprot.org/citations/6349683" target="\_blank">6349683</a>, PubMed:<a href="http://www.uniprot.org/citations/15283675" target="\_blank">15283675</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/2531377" target="\_blank">2531377</a>, PubMed:<a href="http://www.uniprot.org/citations/2972276" target="\_blank">2972276</a>, PubMed:<a href="http://www.uniprot.org/citations/16254193" target="\_blank">16254193</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

#### **Volume**

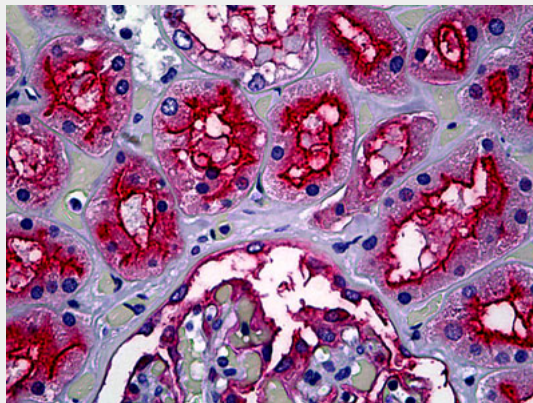
Array

### **MME / CD10 Antibody (clone 56C6) - 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](#)

### **MME / CD10 Antibody (clone 56C6) - Images**



Anti-CD10 antibody IHC of human kidney.

### **MME / CD10 Antibody (clone 56C6) - Background**

Thermolysin-like specificity, but is almost confined on acting on polypeptides of up to 30 amino acids (PubMed:15283675, 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). Able to cleave angiotensin-1, angiotensin-2 and angiotensin 1-9 (PubMed:15283675). Involved in the degradation of atrial natriuretic factor (ANF) (PubMed:2531377, PubMed:2972276). Displays UV-inducible elastase activity toward skin preelastic and elastic fibers (PubMed:20876573).

**MME / CD10 Antibody (clone 56C6) - References**

Letarte M.,et al.J. Exp. Med. 168:1247-1253(1988).  
Shipp M.A.,et al.Proc. Natl. Acad. Sci. U.S.A. 85:4819-4823(1988).  
D'Adamio L.,et al.Proc. Natl. Acad. Sci. U.S.A. 86:7103-7107(1989).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
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