

**Product Name: CD10 (7C7) Mouse Monoclonal Antibody****Catalog #: AMM00733**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	IHC
<b>Reactivity</b>	Human,Rat,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	IHC 1:50-1:100
<b>Molecular Weight</b>	-

**Antigen Information**

<b>Gene Name</b>	MME
<b>Alternative Names</b>	MME; EPN; Neprilysin; Atriopeptidase; Common acute lymphocytic leukemia antigen; CALLA; Enkephalinase; Neutral endopeptidase 24.11; NEP; Neutral endopeptidase; Skin fibroblast elastase; SFE; CD10
<b>Gene ID</b>	4311
<b>SwissProt ID</b>	P08473
<b>Immunogen</b>	Synthetic Peptide of CD10

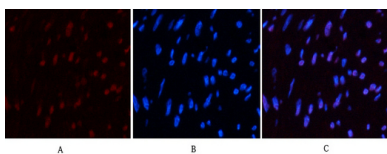
**Background**

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). Displays UV-inducible elastase activity toward skin preelastic and elastic fibers.

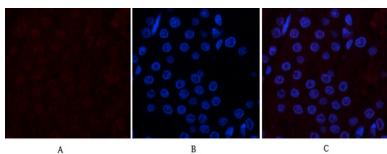
## Research Area

Immunology

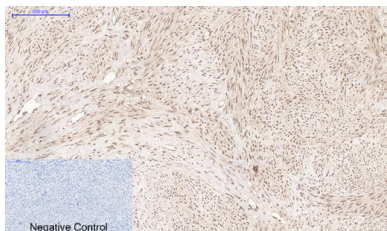
## Image Data



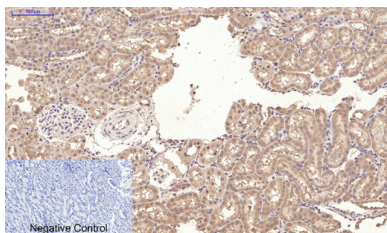
Immunofluorescence analysis of CD10 (7C7) in Human uterus tissue using CD10 (7C7) antibody(red),and DAPI (blue).



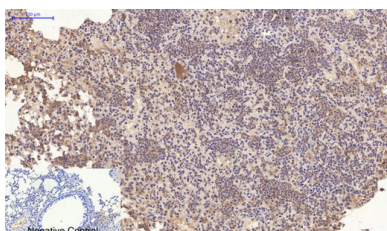
Immunofluorescence analysis of CD10 (7C7) in rat kidney using CD10 antibody(red),and DAPI (blue).



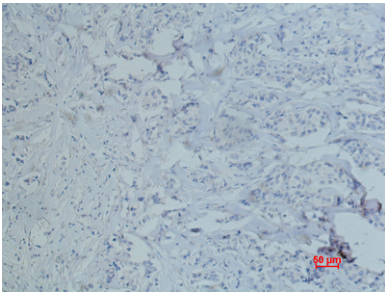
Immunohistochemistry analysis of paraffin-embedded Human uterus tissue using CD10 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Negative control was used by secondary antibody only.



Immunohistochemistry analysis of paraffin-embedded rat kidney tissue using CD10 antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Negative control was used by secondary antibody only.



Immunohistochemistry analysis of paraffin-embedded mouse lung tissue using CD10 antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.Negative control was used by secondary antibody only.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer using CD10 (7C7) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.