

## CD10 Monoclonal Antibody(5B8)

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-MCA0271
<b>Host</b>	Mouse
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	Synthetic Peptide of CD10
<b>Mol wt</b>	85514
<b>Species reactivity</b>	Human,Mouse,Rat
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	IF, ICC, IHC-p
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Neprilysin
<b>Synonyms</b>	MME; EPN; Neprilysin; Atriopeptidase; Common acute lymphocytic leukemia antigen; CALLA; Enkephalinase; Neutral endopeptidase 24.11; NEP; Neutral endopeptidase; Skin fibroblast elastase; SFE; CD10

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

This gene encodes a common acute lymphocytic leukemia antigen that is an important cell surface marker in the diagnosis of human acute lymphocytic leukemia (ALL). This protein is present on leukemic cells of pre-B phenotype, which represent 85% of cases of ALL. This protein is not restricted to leukemic cells, however, and is found on a variety of normal tissues. It is a glycoprotein that is particularly abundant in kidney, where it is present on the brush border of proximal tubules and on glomerular epithelium. The protein is a neutral endopeptidase that cleaves peptides at the amino side of hydrophobic residues and inactivates several peptide hormones including glucagon, enkephalins, substance P, neurotensin, oxytocin, and bradykinin. This gene, which encodes a 100-kD type II transmembrane glycoprotein, exists in a single copy of greater than 45 kb. The 5' untranslated region of this

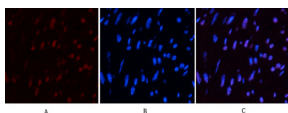
### Recommended Dilution

IF: 1:50-200

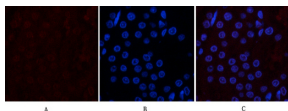
WB: 500-2000 : 1:200

Not yet tested in other applications.

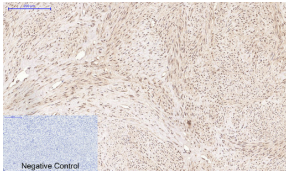
### Images



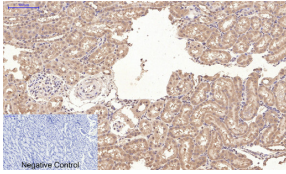
Immunofluorescence analysis of human-uterus tissue. 1. CD10 Monoclonal antibody(5B8)(red) was diluted at 1:200(4°C, overnight). 2. Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min). 3. Picture B: DAPI(blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



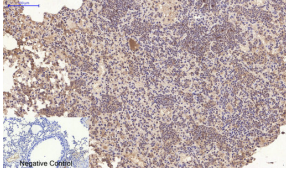
Immunofluorescence analysis of rat-kidney tissue. 1. CD10 Monoclonal antibody(5B8)(red) was diluted at 1:200(4°C, overnight). 2. Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min). 3. Picture B: DAPI(blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



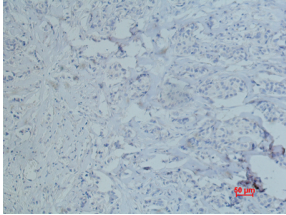
Immunohistochemical analysis of paraffin-embedded Human-uterus tissue. 1.CD10 Monoclonal antibody(5B8) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Rat-kidney tissue. 1.CD10 Monoclonal antibody(5B8) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Mouse-lung tissue. 1.CD10 Monoclonal antibody(5B8) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded human-breast-cancer using antibody diluted at 1:50.

### Storage

-20°C for one year

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