

**bsm-51667M**

**[ Primary Antibody ]**

## CD10 Mouse mAb

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### — DATASHEET —

**Host:** Mouse

**Clonality:** Monoclonal

**GeneID:** 4311

**Target:** CD10

**Immunogen:** KLH conjugated synthetic peptide derived from human CD10: 401-550/750. < Extracellular >

**Purification:** affinity purified by Protein G

**Concentration:** 1mg/ml

**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** The protein encoded by this gene is a type II transmembrane glycoprotein and a common acute lymphocytic leukemia antigen that is an important cell surface marker in the diagnosis of human acute lymphocytic leukemia (ALL). The encoded 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. 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. [provided by RefSeq, Aug 2017]

**Isotype:** IgG1, k

**CloneNo.:** B4S1

**SWISS:** P08473

**Applications:** WB (1:500-2000)

**IHC-P** (1:100-500)

**IHC-F** (1:100-500)

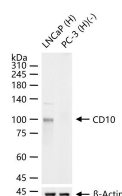
**IF** (1:100-500)

**Reactivity:** Human

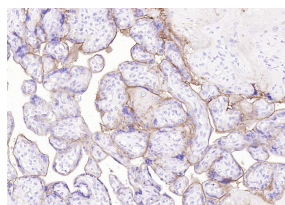
**Predicted MW.:** 82 kDa

**Subcellular Location:** Cell membrane

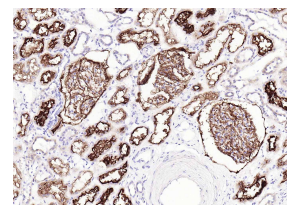
### — VALIDATION IMAGES —



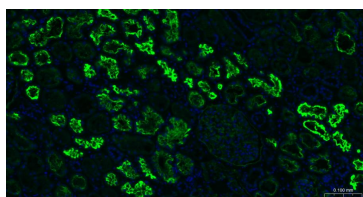
25 ug total protein per lane of various lysates (see on figure) probed with CD10 monoclonal antibody, unconjugated (bsm-51667M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded (Human placenta); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (CD10) Monoclonal Antibody, Unconjugated (bsm-51667M) at 1:1000 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (CD10) Monoclonal Antibody, Unconjugated (bsm-51667M) at 1:1000 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The

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section was incubated with CD10 Monoclonal Antibody, Unconjugated (bsm-51667M) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Mouse IgG antibody (green, bs-0296G-BF488), DAPI (blue, C02-04002) was used to stain the cell nuclei.