

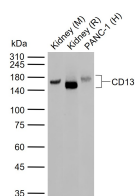
bsm-60371R**[Primary Antibody]****CD13 Recombinant Rabbit mAb****Bioss**
ANTIBODIES

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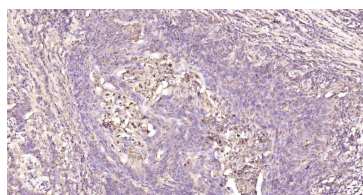
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techsupport@bioss.com.cn

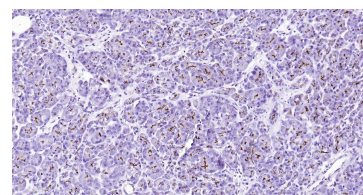
400-901-9800

DATASHEET**Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** C4F12**GeneID:** 290**SWISS:** P15144**Target:** CD13**Purification:** affinity purified by Protein A**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:** Aminopeptidase N is located in the small-intestinal and renal microvillar membrane, and also in other plasma membranes. In the small intestine aminopeptidase N plays a role in the final digestion of peptides generated from hydrolysis of proteins by gastric and pancreatic proteases. Its function in proximal tubular epithelial cells and other cell types is less clear. The large extracellular carboxyterminal domain contains a pentapeptide consensus sequence characteristic of members of the zinc-binding metalloproteinase superfamily. Sequence comparisons with known enzymes of this class showed that CD13 and aminopeptidase N are identical. The latter enzyme was thought to be involved in the metabolism of regulatory peptides by diverse cell types, including small intestinal and renal tubular epithelial cells, macrophages, granulocytes, and synaptic membranes from the CNS. This membrane-bound zinc metalloprotease is known to serve as a receptor for the HCoV-229E alphacoronavirus as well as other non-human coronaviruses. This gene has also been shown to promote angiogenesis, tumor growth, and metastasis and defects in this gene are associated with various types of leukemia and lymphoma. [provided by RefSeq, Apr 2020]**Applications:** WB (1:500-2000)**IHC-P** (1:50-200)**IHC-F** (1:50-200)**IF** (1:50-200)**Flow-Cyt** (1:50-100)**ICC/IF** (1:50-200)**Reactivity:** Human, Mouse, Rat**Predicted MW.:** 109 kDa**Observed MW.:** 150 kDa**Subcellular Location:** Cell membrane**VALIDATION IMAGES**

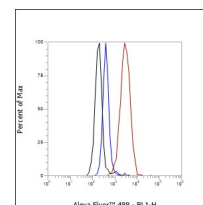
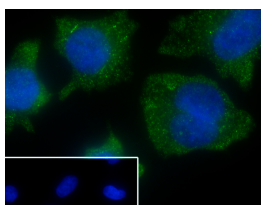
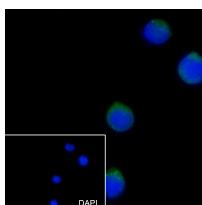
Sample: Lane 1: Mouse Kidney tissue lysates
Lane 2: Rat Kidney tissue lysates Lane 3: Human PANC-1 cell lysates
Primary: Anti-CD13 (bsm-60371R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 109 kDa
Observed band size: 150 kDa



Paraformaldehyde-fixed, paraffin embedded Human Cervical Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD13 Monoclonal Antibody, Unconjugated (bsm-60371R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Pancreatic Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD13 Monoclonal Antibody, Unconjugated (bsm-60371R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Cell line: THP-1 Fixative: 100% Ice-cold methanol
Permeabilization: 0.1% TritonX-100 Primary ab
dilution: 1:50 Primary incubation condition: 4°C
overnight Secondary ab: Goat Anti-Rabbit IgG
Nuclear counter stain: DAPI (Blue) Comment:
Color green is the positive signal for bsm-60371R

Cell line: A375 Fixative: 4% Paraformaldehyde
Permeabilization: 0.1% TritonX-100 Primary ab
dilution: 1:50 Primary incubation condition: 4°C
overnight Secondary ab: Goat Anti-Rabbit IgG
Nuclear counter stain: DAPI (Blue) Comment:
Color green is the positive signal for bsm-60371R

Cell line: THP-1 Fixative: 4% Paraformaldehyde
Permeabilization: 90% methanol Primary ab
dilution: 1:100 Secondary ab: Goat anti Rabbit
IgG Unlabelled control: The cell without
incubation with primary antibody and secondary
antibody (Black line). Isotype control: Rabbit
monoclonal IgG (Blue line). Comment: Line red is
the positive signal for bsm-60371R

— SELECTED CITATIONS —

- **[IF=6.4]** Hu Jingjing, et al. METTL3 facilitates stemness properties and tumorigenicity of cancer stem cells in hepatocellular carcinoma through the SOCS3/JAK2/STAT3 signaling pathway. *CANCER GENE THER.* 2023 Nov;;1-9 FCM ;Human. 38030810