bsm-41730M

[Primary Antibody]

www.bioss.com.cn sales@bioss.com.cn techsupport@bioss.com.cn 400-901-9800

Mucin-1 Mouse mAb

DATASHEET -

Host: Mouse Isotype: IgG1 Clonality: Monoclonal CloneNo.: 5B9 GeneID: 4582 **SWISS:** P15941

Target: Mucin-1

Immunogen: Recombinant Human Mucin-1 Protein: 921-1158/1255.

Purification: affinity purified by Protein A

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: MUC1 is a large cell surface mucin glycoprotein expressed by most glandular and ductal epithelial cells and some hematopoietic cell

lineages. It is expressed on most secretory epithelium, including mammary gland and some hematopoietic cells. It is expressed abundantly in lactating mammary glands and overexpressed abundantly in >90% breast carcinomas and metastases. Transgenic MUC1 has been shown to associate with all four cebB receptors and localize with erbB1 (EGFR) in lactating glands. The MUC1 gene contains seven exons and produces several different alternatively spliced variants. The major expressed form of MUC1 uses all seven exons and is a type 1 transmembrane protein with a large extracellular tandem repeat domain. The tandem repeat domain is highly O glycosylated and alterations in glycosylation have been shown in epithelial cancer cells.

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

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

Reactivity: Human

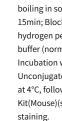
Predicted 138 kDa MW.:

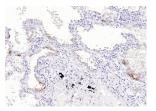
Subcellular Secreted ,Cell membrane Location: ,Cytoplasm ,Nucleus

VALIDATION IMAGES

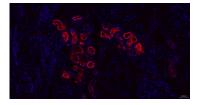


Paraformaldehyde-fixed, paraffin embedded (human kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (Mucin-1) Monoclonal Antibody, Unconjugated (bsm-41730M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.

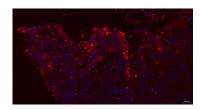




Paraformaldehyde-fixed, paraffin embedded (human lung carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (Mucin-1) Monoclonal Antibody, Unconjugated (bsm-41730M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB



Paraformaldehyde-fixed, paraffin embedded Human kidney: Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Mucin-1 Monoclonal Antibody, Unconjugated (bsm-41730M) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Mouse IgG antibody (red, bs-0296G-BF594), DAPI (blue, C02-04002) was used to stain the cell nuclei.



Paraformaldehyde-fixed, paraffin embedded Human lung cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Mucin-1 Monoclonal

Antibody, Unconjugated (bsm-41730M) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Mouse IgG antibody (red, bs-0296G-BF594), DAPI (blue, C02-04002) was used to stain the cell nuclei.