

bsm-41730M**[Primary Antibody]**

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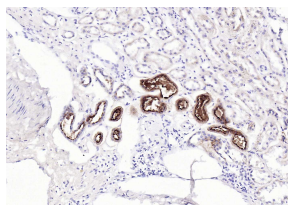
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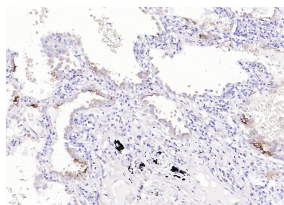
400-901-9800

Mucin-1 Mouse mAb**— DATASHEET —**

Host: Mouse	Isotype: IgG1	Applications: IHC-P (1:100-500) IHC-F (1:400-800) IF (1:100-500) Reactivity: Human Predicted MW.: 138 kDa Subcellular Location: Secreted ,Cell membrane ,Cytoplasm ,Nucleus
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.		

— 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 staining.