

#### **MUC6 Mouse mAb**

MUC6 Mouse mAb Catalog # AP94792

# **Specification**

## **MUC6 Mouse mAb - Product Information**

Application IHC-P, IHC-F, IF

Primary Accession
Reactivity
Host
Clonality
Calculated MW
Physical State

Q6W4X9
Human
Rabbit
Monoclonal
298 KDa
Liquid

Immunogen KLH conjugated synthetic peptide derived

from human MUC6

Isotype IgG1, Kappa Purity

Buffer Liquid in PBS containing 50% Glycerol,

0.5% BSA and 0.02% Proclin300.

SUBCELLULAR LOCATION Secreted.

SIMILARITY Contains 1 CTCK (C-terminal cystine

knot-like) domain. Contains 1 TIL (trypsin inhibitory-like) domain. Contains 3 VWFD

domains.

Post-translational modifications **O-glycosylated.** 

Important Note

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

# **Background Descriptions**

affinity purified by Protein A

This gene encodes a member of the mucin protein family. Mucins are high molecular weight glycoproteins produced by many epithelial tissues. The protein encoded by this gene is secreted and forms an insoluble mucous barrier that protects the gut lumen. [provided by RefSeq, Dec 2016]

#### MUC6 Mouse mAb - Additional Information

**Gene ID 4588** 

**Other Names** 

Mucin-6, MUC-6, Gastric mucin-6, MUC6

# Target/Specificity

Expressed in the regenerative zone of gastric antrum, gastric body mucosa and gastric incisura mucosa. Expressed in the deeper mucous glands of gastric antrum. Overexpressed in Helicobacter pylori infected gastric epithelium. Highly expressed in duodenal Brunner's glands, gall bladder, seminal vesicle, pancreatic centroacinar cells and ducts, and periductal glands of the common bile duct.



### **Dilution**

<span class ="dilution\_IHC-P">IHC-P~~N/A</span><br \> <span class = "dilution\_IHC-F">IHC-F~~N/A</span><br \> <span class = "dilution\_IF">IF~~1:50~200</span>

### Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

#### MUC6 Mouse mAb - Protein Information

### Name MUC6

# **Function**

May provide a mechanism for modulation of the composition of the protective mucus layer related to acid secretion or the presence of bacteria and noxious agents in the lumen. Plays an important role in the cytoprotection of epithelial surfaces and are used as tumor markers in a variety of cancers. May play a role in epithelial organogenesis.

# **Cellular Location**

Secreted.

## **Tissue Location**

Expressed in the regenerative zone of gastric antrum, gastric body mucosa and gastric incisura mucosa. Expressed in the deeper mucous glands of gastric antrum. Overexpressed in Helicobacter pylori infected gastric epithelium. Highly expressed in duodenal Brunner's glands, gall bladder, seminal vesicle, pancreatic centroacinar cells and ducts, and periductal glands of the common bile duct.

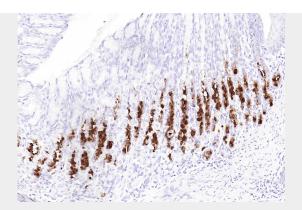
# **MUC6 Mouse mAb - Protocols**

Provided below are standard protocols that you may find useful for product applications.

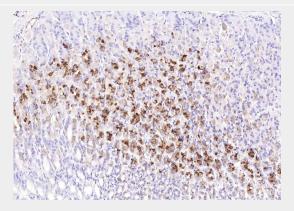
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## MUC6 Mouse mAb - Images

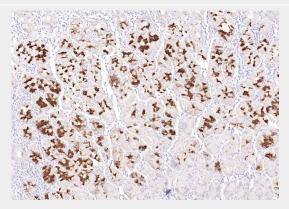




Paraformaldehyde-fixed, paraffin embedded (rat stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (MUC6) Monoclonal Antibody, Unconjugated (AP94792) at 1:100 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse stomach); 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 (MUC6) Monoclonal Antibody, Unconjugated (AP94792) at 1:100 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human stomach); 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 (MUC6) Monoclonal Antibody, Unconjugated (AP94792) at 1:100 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.

MUC6 Mouse mAb - Background





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