



## Product Information Sheet

### Monoclonal Anti-Gastric Mucin - conjugated to Magnetic Beads

**Catalogue No.** MA1043-M

**Immunogen**

Mucin from human ovarian cystfluid.

**Lot No.** 08A12

**Purification**

**Clone:** GM-8A12

Purified by the goat anti-mouse IgG affinity chromatography.

**Ig type:** mouse IgG1

**Formulation**

**Size:** 200µl

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN<sub>3</sub>.

**Specificity**

Human.

No cross reactivity with other proteins.

**Storage**

Store at 4°C for frequent use.

**Recommended application**

*Immunoprecipitation(IP)*

**Description**

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified beads. It is useful for immunoprecipitation.

### BACKGROUND

The mucin genes encode epithelial glycoproteins, some of which are secreted and some membrane bound. Mucin gastric 6 (MUC6) is a large glycoprotein thought to play a major role in protecting the gastrointestinal tract from acid, proteases, pathogenic microorganisms and mechanical trauma. Expression of the gene was highest in the stomach and gallbladder, with weaker expression in the terminal ileum and right colon. Mucin glycoproteins play a key role in the normal function of the epithelium lining the gastrointestinal tract.

### REFERENCE

1. Reid, C. J.; Harris, A. : Developmental expression of mucin genes in the human gastrointestinal system. *Gut* 42: 220-226, 1998.
2. Toribara, N. W.; Robertson, A. M.; Ho, S. B.; Kuo, W.-L.; Gum, E.; Hicks, J. W.; Gum, J. R., Jr.; Byrd, J. C.; Siddiki, B.; Kim, Y. S. : Human gastric mucin: identification of a unique species by expression cloning. *J. Biol. Chem.* 268: 5879-5885, 1993.

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