



Product Information Sheet

Monoclonal Anti-Gastric Mucin (Sephacrose Bead Conjugate)

Catalogue No. MA1043-S

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

50% slurry in PBS pH 7.2 with 0.01mg NaN₃ preservative.

Size: 200µl

Storage

Specificity

Store at 4°C for frequent use.

Human.

No cross reactivity with other proteins.

Description:

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays.

Recommended application

Immunoprecipitation(IP)

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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