

Product datasheet

anti-Mucin mouse monoclonal, 45 MI, supernatant

Short overview

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|-----------------|-------|
| Cat. No. | 16075 |
| Quantity | 1 ml |

Product description

| | |
|----------------------|---|
| Host | Mouse |
| Antibody Type | Monoclonal |
| Isotype | IgG1 |
| Clone | 45 MI |
| Immunogen | Mucin isolated from ovarian mucinous cysts and colonic mucosa |
| Formulation | Contains 0.09% sodium azide |
| Note | Centrifuge prior to opening |
| Conjugate | Unconjugated |
| Purification | Hybridoma cell culture supernatant |
| Storage | Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles |
| Intended use | Research use only |
| Application | IHC |
| Reactivity | Human |

Applications

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|--|---|
| Immunohistochemistry (IHC) - frozen | 1:10-1:40 |
| Immunohistochemistry (IHC) - paraffin | 1:10-1:40 (protease treatment and or microwave treatment recommended) |

Background

The antibody is reactive with the peptide core of gastric mucin (MUC5AC, earlier also described as mucin M1). Mucin is an important tumor-associated marker for adenocarcinomas. The antibody shows specificity to gastric mucosa, but is also reactive with stomach and colon carcinomas. Most breast carcinomas are negative. The antigen is localized in the cytoplasm.

Positive control: Gastric mucosa of stomach.

Product images



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References

| Publication | Species | Application |
|--|---------|----------------|
| Bara, J., Gautier, R., Mouradian, P., Decaens, C. & Daher, N. Oncofetal mucin M1 epitope family: Characterization and expression during colonic carcinogenesis. Int. J. Cancer 47, 304-310 (1991). | human | IHC (paraffin) |