DATA SHEET

Mouse Anti-MUC4 [8G7]: MC0448, MC0448RTU7

Intended Use: For Research Use Only

Description: MUC4 is a high molecular weight glycoprotein that plays an important role in cell proliferation and differentiation of epithelial cells. The MUC4 gene is expressed in various normal epithelial tissues of endodermic origin and carcinomas derived from these tissues. MUC4 antibody labels normal epithelial cells in the trachea, GI tract and prostate, but not in the pancreas. Increased expression of MUC4 has been observed in pancreatic carcinoma and cervical squamous carcinoma. MUC4 is helpful in differentiating lung adenocarcinoma (positive) from malignant mesothelioma (negative). Additionally, MUC4 is useful in the identification of low-grade fibromyxoid sarcoma (LGFMS), and sclerosing epithelioid fibrosarcoma.

Specifications
Clone: 8G7
Source: Mouse
Isotype: IgG1
Reactivity: Human
Localization: Cytoplasm, membrane
Formulation: Purified antibody in 10 mM phosphate buffered saline (PBS), pH 7.2 containing 0.2% bovine serum albumin (BSA) and 15mM sodium azide (NaN3)
Storage: Store at 2°- 8°C
Applications: IHC, IF, IP, WB

<table>
<thead>
<tr>
<th>Description</th>
<th>Catalog No.</th>
<th>Size</th>
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<tbody>
<tr>
<td>MUC4 Concentrated</td>
<td>MC0448</td>
<td>1 ml</td>
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<tr>
<td>MUC4 Prediluted</td>
<td>MC0448RTU7</td>
<td>7 ml</td>
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IHC Procedure*
Positive Control Tissue: Colon, lung cancer
Concentrated Dilution: 50-200
Pretreatment: EDTA pH8.0 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual
* Result should be confirmed by an established diagnostic procedure.

References:

Human ilium FFPE tissue stained with anti-MUC4 using DAB

Doc. 100-MC0448
Rev. A