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36-1471: Monoclonal Antibody to MUC5AC (Mucin 5AC / Gastric Mucin)(MUC5AC/917 + 45M1)

Clonality: Monoclonal

Clone Name: MUC5AC/917 + 45M1

Application: FACS,IF,IHC
Reactivity: Human
Gene: MUC5AC
Gene ID: 4586
Uniprot ID: P98088
Format: Purified

Alternative Name: MUC5AC,MUC5

Isotype: Mouse IgG1, kappa + Mouse IgG1, kappa

Immunogen Information : Recombinant human MUC5AC protein (MUC5AC/917); M1 mucin prepaRation from the fluid of an

ovarian mucinous cyst belonging to an O Le(a-b) patient (45M1)

Description

Mucin 5AC glycoprotein (MUC5AC) is a 641kDa glycoprotein belonging to the superfamily of mucins. Mucins are high molecular weight glycoproteins produced by epithelial cells and can be divided into two families; secretory mucins and membrane bound mucins. MUC5AC is a mucus-forming secreted mucin that is found in normal gastric and tracheo-bronchial mucosa, but absent from normal colon. MUC5AC expression is present in primary ovarian mucinous cancer but usually absent in colorectal adenocarcinoma, thus showing an expression pattern opposite to MUC2. Together with a panel of antibodies, Anti-MUC5AC may be useful for differential identification of primary mucinous ovarian tumors from colon adenocarcinoma metastatic to the ovary. MUC5AC antibodies may also be useful for identification of intestinal metaplasia as well as in the identification of pancreatic carcinoma and pre-cancerous changes vs. normal pancreas.

Product Info

Amount : 100 μg

Purification: Affinity Chromatography

Content : 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

toxic.

Storage condition:

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Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

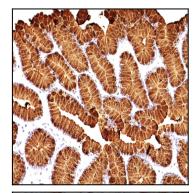
Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); ,Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);

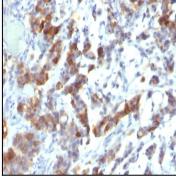


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Formalin-fixed, paraffin-embedded human Stomach stained with MUC5AC Monoclonal Antibody (MUC5AC/917 + 45M1).



Formalin-fixed, paraffin-embedded human Gastric Carcinoma stained with MUC5AC Monoclonal Antibody (MUC5AC/917 + 45M1).