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## 10-7519: Monoclonal Antibody to Gastric Mucin (Clone: 45M1)

Clonality: Monoclonal **Clone Name:** 45M1 IHC.FACS Application: Reactivity: Human Gene: MUC5AC Gene ID: 4586 **Uniprot ID:** P98088 **Purified** Format: **Alternative Name:** 

Alternative Name: MUC5AC,MUC5
Isotype: Mouse IgG1 Kappa

Immunogen Information: MUC5AC isolated from the fluid of an ovarian mucinous cyst from an O Le(a-b-) patient was

used as immunogen to generate the MUC5AC antibody.

## **Description**

MUC5AC (gastric mucin) belongs to the gel-forming mucin family of glycoproteins, the major components of the protective mucus layer on the mucosal surfaces of epithelial tissues. Mucus protects the tissue surface from mechanical damage, stabilizes the luminal microenvironment, and traps pathogens including bacteria and viruses for mucociliarly clearance.

## **Product Info**

Amount:  $100 \mu g$ 

**Purification:** Protein G Chromatography

**Content:** 25 μg in 50 μl/100 μg in 200 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium

azide is highly toxic.

**Storage condition :** 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**

Immunohistochemical analysis: 1:500-1:800; Flowcytometry analysis: 1-2 μg/10<sup>6</sup> cells

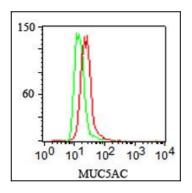


Fig: 1 Intracellular flow cytometric analysis of Gastric Mucin on A549 using 1  $\mu$ g/10 $^6$  cells of MUC5AC (Clone: 45M1).



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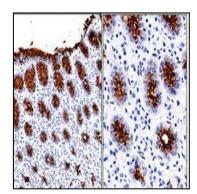


Fig: 2 Immunohistochemical analysis of Gastric Mucin in human stomach using Gastric Mucin antibody (Clone: 45M1) at 1:500 dilution.

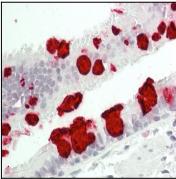


Fig: 3 Immunohistochemical analysis of Gastric Mucin in human Lung, Respiratory Epithelium using Gastric Mucin antibody (Clone: 45M1) at 10  $\mu$ g/m.l