

### 36-1458: Monoclonal Antibody to MUC2 (Mucin 2)(Clone : SPM513)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	SPM513
<b>Application :</b>	IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	MUC2
<b>Gene ID :</b>	4583
<b>Uniprot ID :</b>	Q02817
<b>Format :</b>	Purified
<b>Alternative Name :</b>	MUC2,SMUC
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	A synthetic peptide of 29 amino acids, KYPTTTPISTTTMVTPTPTGTQTPTTT from MUC2 protein, coupled to KLH.

#### Description

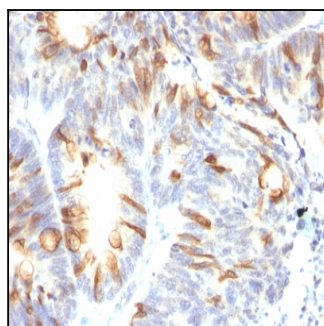
Recognizes a single glycoprotein of 520kDa, identified as mucin 2 (MUC2). This MAb shows no cross-reaction with human milk fat globule membranes, MUC1, or MUC3. Its epitope has been defined as GTQTP (GlyThrGlnThrPro). Mucins are high molecular weight glycoproteins, which constitute the major component of the mucus layer that protects the gastric epithelium. MUC2 is specifically expressed in goblet cells of the small intestine & colon; in about 65% of colonic carcinomas and about 40% of gastric carcinomas. MUC2 is rarely expressed outside of the GI tract with the exceptions of mucinous carcinoma of breast and clear cell-type carcinomas of the ovary.

#### Product Info

<b>Amount :</b>	100 µg
<b>Purification :</b>	Affinity Chromatography
<b>Content :</b>	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	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

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)



Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with MUC2 Monoclonal Antibody (SPM513).