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36-1457: Monoclonal Antibody to MUC2 (Mucin 2)(Clone : SPM296)

Clonality :	Monoclonal
Clone Name :	SPM296
Application :	FACS,IF,IHC
Reactivity :	Human
Gene :	MUC2
Gene ID :	4583
Uniprot ID :	Q02817
Format :	Purified
Alternative Name :	MUC2,SMUC
Isotype :	Mouse IgG1, kappa
Immunogen Information :	A synthetic peptide of 29 amino acids, KYPTTTPISTTTMVTPTPTPTGTQTPTTT from MUC2 protein, coupled to KLH.

Description

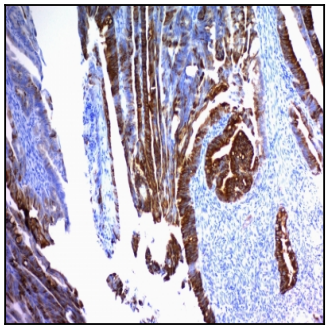
Recognizes a single glycoprotein of 520kDa, identified as mucin 2 (MUC2). This MAb shows no cross-reaction with human milk fat globule membranes, MUC1, or MUC3. Mucins are high molecular weight glycoproteins, which constitute the major component of the mucus layer that protects the gastric epithelium. 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

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 :	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-HCl buffer, pH 10.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes)



Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with MUC2 Monoclonal Antibody (SPM296).

For Research Use Only. Not for use in diagnostic/therapeutics procedures.