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36-1459: Monoclonal Antibody to MUC2 (Mucin 2)(Clone: MLP/842)

Clonality: Monoclonal **Clone Name:** MLP/842 FACS.IF.IHC Application: Reactivity: Human Gene: MUC₂ Gene ID: 4583 **Uniprot ID:** Q02817 **Purified** Format: **Alternative Name:** MUC2,SMUC Isotype: Mouse IgG1, kappa

Immunogen Information: Recombinant human MUC2 protein

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

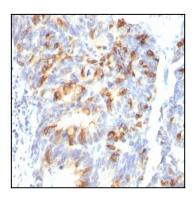
toxic.

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 (0.5-1ug/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),

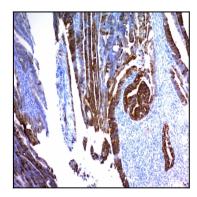


Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with MUC2 Monoclonal Antibody (MLP/842).



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