

## Product datasheet for **AM50142PU-S**

### **MUC2 Mouse Monoclonal Antibody [Clone ID: SPM296]**

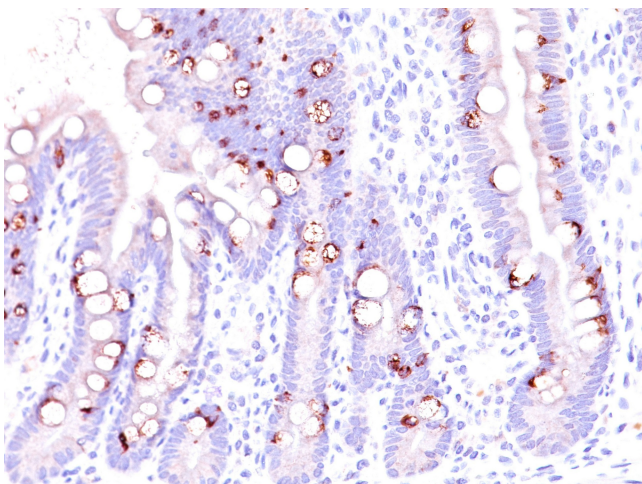
#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	SPM296
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	<b>ELISA:</b> Use BSA free Antibody for coating. <b>Flow Cytometry:</b> 0.5-1 µg/million cells. <b>Immunofluorescence:</b> 1-2 µg/ml. <b>Western Blotting:</b> 0.5-1 µg/ml. <b>Immunoprecipitation:</b> 1-2 µg/500 µg protein lysate. <b>Immunohistochemistry on Frozen and Formalin-fixed Sections:</b> 0.5-1.0 µg/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes. <b>Positive Control:</b> LS174T cells or small intestine.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	A synthetic peptide of 29 amino acids from MUC2 protein, coupled to KLH.
Specificity:	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. <b>Cellular Localization:</b> Cytoplasmic and cell surface.



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<b>Formulation:</b>	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Protein A/G Chromatography
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store undiluted at 2-8°C.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Predicted Protein Size:</b>	520 kDa
<b>Gene Name:</b>	mucin 2, oligomeric mucus/gel-forming
<b>Database Link:</b>	<a href="#">Entrez Gene 4583 Human Q02817</a>
<b>Synonyms:</b>	MUC-2, MUC2, SMUC, Intestinal mucin-2

**Product images:**

Formalin-Paraffin normal human intestine stained with MUC2 Antibody (Clone SPM296).