

Mouse anti-Human MUC2 (Mucin 2) Monoclonal Antibody | anti-MUC2 antibody

MUC2 (Mucin 2) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62622	Mouse	Human	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

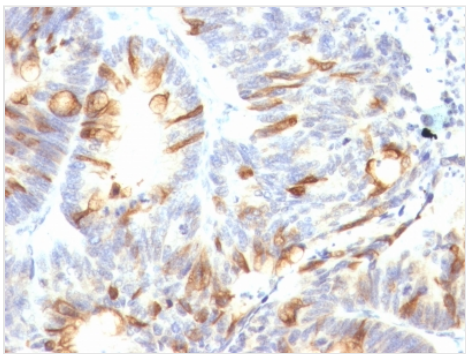
PRODUCT SYNONYMS

MUC2 (Mucin 2); Monoclonal Antibody; MUC2 (Mucin 2) Mouse Monoclonal Antibody; Mucin-2; Intestinal mucin-2; Mucin like protein; (MLP); SMUC; anti-MUC2 antibody

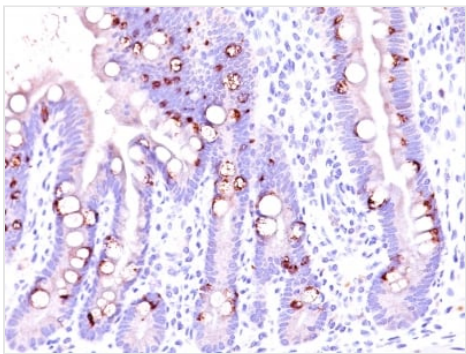
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	CCP58
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. 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.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	5179
Applicable Applications for anti-MUC2 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cytoplasmic and Cell Surface
Immunogen	A synthetic peptide of 29 amino acids, KYPTTTPISTTTMTPTPTGTGTPTTT from MUC2 protein, coupled to KLH.
Hu-Chromosome Location	11p15.5
Positive Control	LS174T cells or small intestine.
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with MUC2 Monoclonal Antibody (CCP58).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Intestine stained with MUC2 Monoclonal Antibody (CCP58).

ADDITIONAL INFORMATION

References	Xing PX, Prenzoska J, Layton GT, Devine PL, McKenzie IF. Second-generation monoclonal antibodies to intestinal MUC2 peptide reactive with colon cancer. J Natl Cancer Inst. 1992; 84(9):699-703
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NCBI AND UNIPROT INFORMATION

NCBI GI #	557129045
NCBI GeneID	4583
NCBI Accession #	NP_002448.3
NCBI GenBank Nucleotide #	NM_002457.3
UniProt Accession #	Q02817; Q14878
Molecular Weight	520kDa
NCBI Official Full Name	mucin-2
NCBI Official Synonym Full Names	mucin 2, oligomeric mucus/gel-forming
NCBI Official Symbol	MUC2
NCBI Official Synonym Symbols	MLP; SMUC; MUC-2
NCBI Protein Information	mucin-2
UniProt Protein Name	Mucin-2
UniProt Gene Name	MUC2
UniProt Synonym Gene Names	SMUC; MUC-2
UniProt Entry Name	MUC2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/muc2-mucin-2-antibody-clone-ccp58-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/62622>