

For Research Use Only

MUC13 Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 87107-2-PBS



Basic Information

Catalog Number: 87107-2-PBS	GenBank Accession Number: NM_033049.4	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 56667	CloneNo.: 252211G3
Isotype: IgG	UNIPROT ID: Q9H3R2	
Immunogen Catalog Number: EG6586	Full Name: mucin 13, cell surface associated	
	Calculated MW: 55 kDa	
	Observed MW: 120 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Background Information

Mucins (MUC) are highly glycosylated proteins that are abundantly expressed in mammalian epithelial cells. Mucin 13 (MUC13) is a member of the transmembrane glycoprotein mucins, which are normally expressed in the large intestine, trachea, kidney, small intestine, and gastric epithelium (PMID: 22027689). MUC13 is involved in the tumorigenesis of multiple malignancies, including pancreatic cancer, colorectal cancer, renal cancer, and lung cancer (PMID: 22027689; PMID: 31427737; PMID: 28205224; PMID: 34966453).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

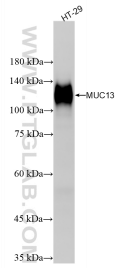
T: 4006900926

E: Proteintech-CN@ptglab.com

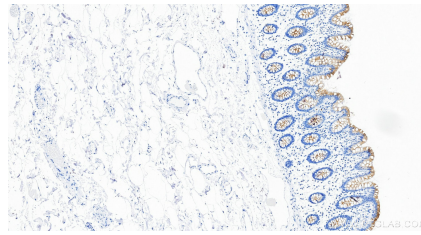
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

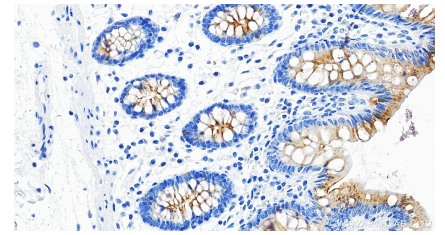
Selected Validation Data



HT-29 cells were subjected to SDS PAGE followed by western blot with 87107-2-RR (MUC13 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87107-2-PBS in a different storage buffer formulation.



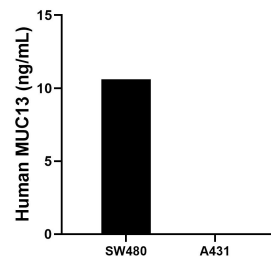
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 87107-2-RR (MUC13 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 87107-2-PBS in a different storage buffer formulation.



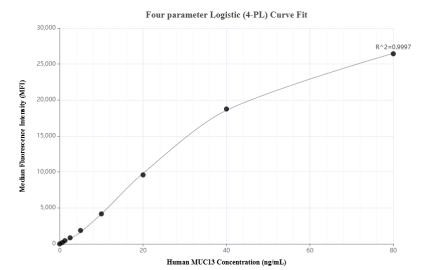
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 87107-2-RR (MUC13 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 87107-2-PBS in a different storage buffer formulation.



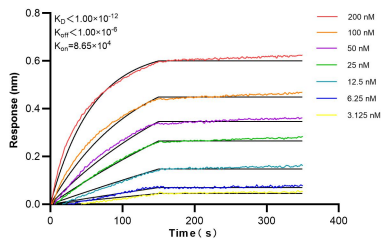
Immunofluorescent analysis of (4% PFA) fixed HT-29 cells using MUC13 antibody (87107-2-RR, Clone: 25221G3) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 87107-2-PBS in a different storage buffer formulation.



The mean MUC13 concentration was determined to be 10.6 ng/mL in SW480 cell extract based on a 1.2 mg/mL extract load. A431 cell extract were served as a negative control.



Cytometric bead array standard curve of MP02867-1, MUC13 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 87107-2-PBS. Detection antibody: 87107-1-PBS. Standard: Eg6586. Range: 0.625-80 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 87107-1-RR against Human MUC13 were performed. The affinity constant is below 1 pM.