

For Research Use Only

Anti-Human MUC13 Rabbit Recombinant Antibody

Catalog Number: 98683-1-RR



Basic Information

Catalog Number: 98683-1-RR	GenBank Accession Number: NM_033049.4	Purification Method: Protein A purification
Size: 100ug , 1000 µg/ml	GeneID (NCBI): 56667	CloneNo.: 252211G3
Source: Rabbit	UNIPROT ID: Q9H3R2	Recommended Dilutions: IHC: 1:500-1:2000 FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: mucin 13, cell surface associated	
Immunogen Catalog Number: EG6586	Calculated MW: 55 kDa	

Applications

Tested Applications:
IHC, FC

Species Specificity:
human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC : human colon tissue,

FC : HT-29 cells,

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 2 - 8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

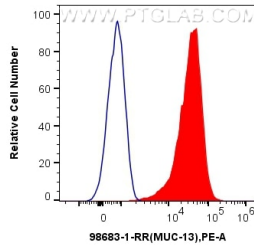
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

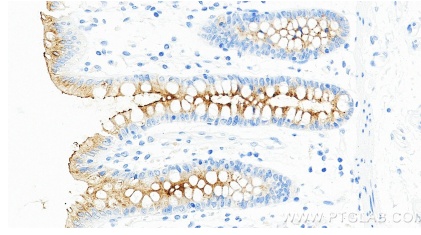
E: proteintech@ptglab.com
W: ptglab.com

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

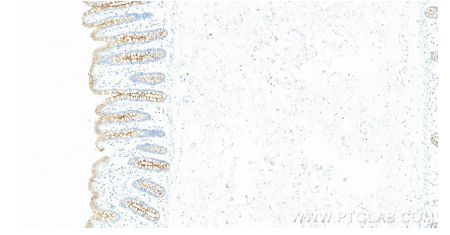
Selected Validation Data



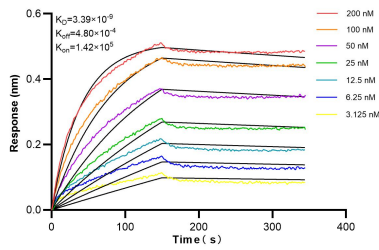
1×10^6 HT-29 cells were surface stained with 0.25 μ g Anti-Human MUC13 Rabbit RecAb (98683-1-RR, Clone:252211G3) and PE-Conjugated Goat Anti-Rabbit IgG(H+L) (red), or 0.25 μ g Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were not fixed.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 98683-1-RR (MUC13 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 98683-1-RR (MUC13 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 98683-1-RR against Human MUC13 were performed. The affinity constant is 3.39 nM.