

For Research Use Only

# Anti-Human MUC13 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98683-1-PBS



## Basic Information

<b>Catalog Number:</b> 98683-1-PBS	<b>GenBank Accession Number:</b> NM_033049.4	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1mg, 3 mg/ml	<b>GeneID (NCBI):</b> 56667	<b>CloneNo.:</b> 252211G3
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9H3R2	
<b>Isotype:</b> IgG	<b>Full Name:</b> mucin 13, cell surface associated	
<b>Immunogen Catalog Number:</b> EG6586	<b>Calculated MW:</b> 55 kDa	

## Applications

**Tested Applications:**  
IHC, FC

**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

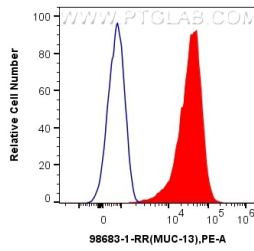
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

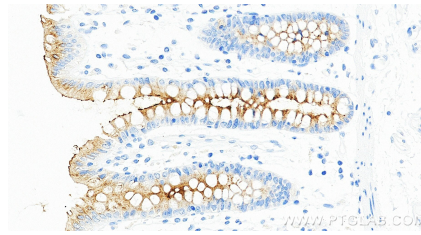
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

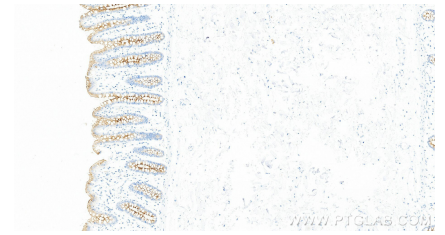
## Selected Validation Data



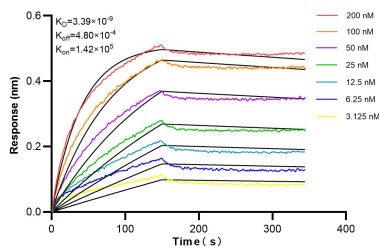
$1 \times 10^6$  HT-29 cells were surface stained with 0.25 ug Anti-Human MUC13 Rabbit RecAb (98683-1-RR, Clone:252211G3) and PE-Conjugated Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were not fixed. This data was developed using the same antibody clone with 98683-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 98683-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 98683-1-PBS in a different storage buffer formulation.



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