

For Research Use Only

Anti-Human MUC13 Rabbit Recombinant Antibody

Catalog Number: 98683-1-RR



Basic Information

Catalog Number:

98683-1-RR

Concentration:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG6586

GenBank Accession Number:

NM_033049.4

GeneID (NCBI):

56667

UNIPROT ID:

Q9H3R2

Full Name:

mucin 13, cell surface associated

Calculated MW:

55 kDa

Purification Method:

Protein A purification

CloneNo.:

252211G3

Recommended Dilutions:

IHC: 1:500-1:2000

FC: 0.25 ug per 10⁶ cells in a 100 µl suspension

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:

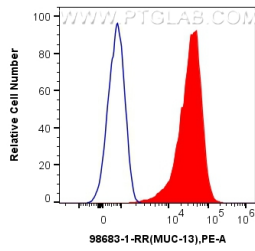
T: 4006900926

E: Proteintech-CN@ptglab.com

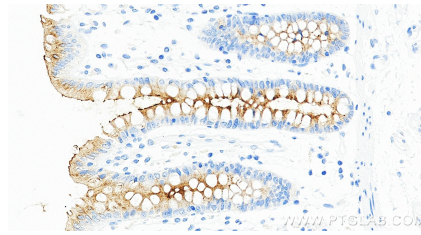
W: ptgcn.com

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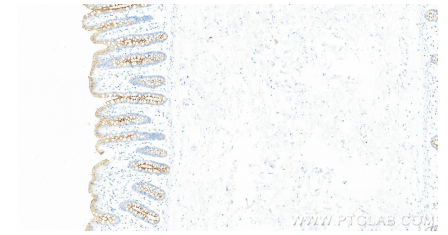
Selected Validation Data



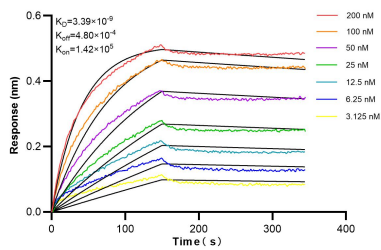
1x10⁶ HT-29 cells were surface stained with 0.25 ug Anti-Human MUC13 Rabbit RecAb (98683-1-RR, Clone:252211G3) and PE-Conjugated Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were not fixed.



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.