

# MUC1/CA15-3 Monoclonal antibody

Catalog Number: 60749-1-Ig

## Basic Information

<b>Catalog Number:</b> 60749-1-Ig	<b>GenBank Accession Number:</b> BC120975	<b>Purification Method:</b> Protein G purification
<b>Concentration:</b> 1000 ug/ml	<b>GeneID (NCBI):</b> 4582	<b>CloneNo.:</b> 1D5D11
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P15941	<b>Recommended Dilutions:</b> IHC 1:1600-1:6400
<b>Isotype:</b> IgG1	<b>Full Name:</b> mucin 1, cell surface associated	
<b>Immunogen Catalog Number:</b> AG17660	<b>Calculated MW:</b> 1264 aa, 123 kDa	

## Applications

<b>Tested Applications:</b> IHC, ELISA	<b>Positive Controls:</b> IHC : human rectal cancer tissue, human stomach cancer tissue
<b>Species Specificity:</b> human	

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

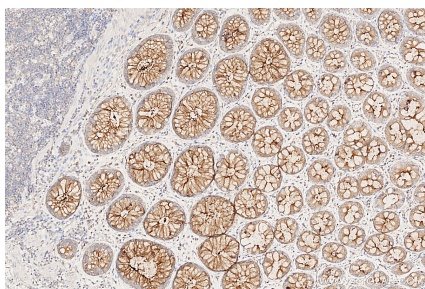
## Background Information

MUC1 is a type I transmembrane glycoprotein expressed by various epithelial cells of the female reproductive tract, lung, breast, kidney, stomach, and pancreas. Among the known mucins, MUC1 is best studied and plays crucial roles in regulating many cellular properties, including cell proliferation, apoptosis, adhesion, and invasion. MUC1 is overexpressed in a wide range of human epithelial malignancies.

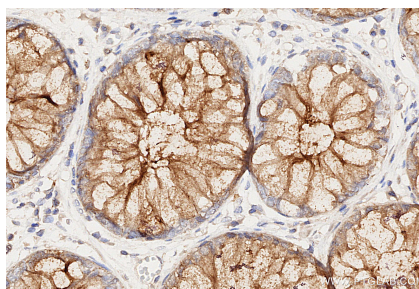
## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

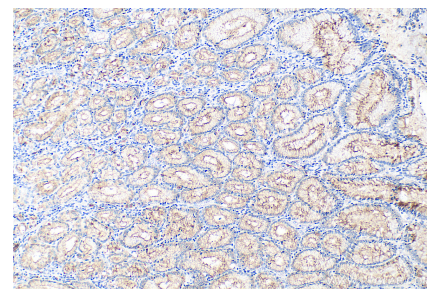
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human rectal cancer tissue slide using 60749-1-Ig (MUC1/CA15-3 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human rectal cancer tissue slide using 60749-1-Ig (CA15-3, MUC1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 60749-1-Ig (MUC1/CA15-3 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).