

For Research Use Only

# MUC15 Recombinant monoclonal antibody, PBS Only

Catalog Number: 86987-1-PBS



## Basic Information

<b>Catalog Number:</b> 86987-1-PBS	<b>GenBank Accession Number:</b> NM_145650	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 143662	<b>CloneNo.:</b> 251970A2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8N387-1	
<b>Isotype:</b> IgG	<b>Full Name:</b> mucin 15, cell surface associated	
<b>Immunogen Catalog Number:</b> EG5625	<b>Calculated MW:</b> 36 kDa	
	<b>Observed MW:</b> 35 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human

## Background Information

MUC15 is a transmembrane mucin that is ubiquitously expressed on the surface of epithelial cells as a membrane-bound glycoprotein. MUC15 plays a dual role in cellular processes, participating in cell adhesion, signal transduction, and regulating receptor tyrosine kinase activity. Its expression is frequently altered in various cancers, acting as a context-dependent tumor suppressor or promoter. (PMID: 32479243; 16904320; 30420637)

## Storage

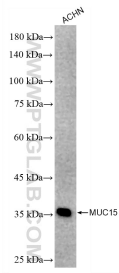
**Storage:**  
Store at -80°C.

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

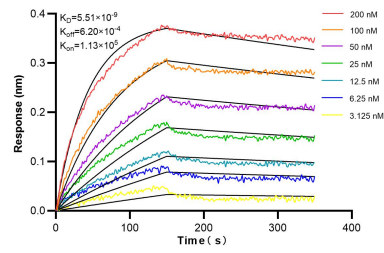
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## Selected Validation Data



ACHN cells were subjected to SDS PAGE followed by western blot with 86987-1-RR (MUC15 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86987-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86987-1-RR against Human MUC15 were performed. The affinity constant is 5.51 nM.