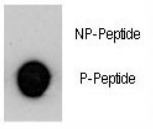
# p-MUC1 Antibody (pY1229) (F48593)

| Catalog No. | Formulation | Size |
|---|---|---|
| F48593-0.4ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml |
| F48593-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit Ig |
| **Purity** | Antigen affinity |
| **UniProt** | P15941 |
| **Applications** | Dot blot: 1:500 |
| **Limitations** | This p-MUC1 antibody is available for research use only. |




Dot blot analysis of p-MUC1 antibody. 50ng of phos-peptide or nonphos-peptide per dot were spotted.

## Description

MUC1 is a member of the mucin family and a membrane bound, glycosylated phosphoprotein. The protein is anchored to the apical surface of many epithelia by a transmembrane domain, with the degree of glycosylation varying with cell type. It also includes a 20 aa variable number tandem repeat (VNTR) domain, with the number of repeats varying from 20 to 120 in different individuals. The protein serves a protective function by binding to pathogens and also functions in a cell signaling capacity. Overexpression, aberrant intracellular localization, and changes in glycosylation of this protein have been associated with carcinomas.

## Application Notes

Titration of the p-MUC1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

This p-MUC1 antibody was produced from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding pY1229 of human MUC1.

## Storage

Aliquot the p-MUC1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.


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