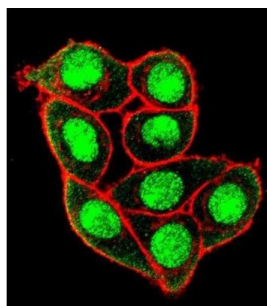
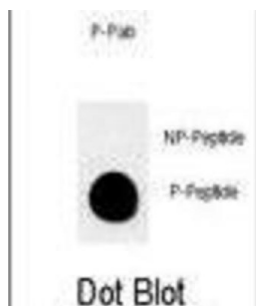


## MUC1 (pT1224) Antibody

Catalogue No.: abx032089



MUC1 is a member of the mucin family and encodes 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.

**Target:** Mucin-1 (pT1224)

**Clonality:** Polyclonal

**Target Modification:** Thr1224

**Modification:** Phosphorylation

**Reactivity:** Human

**Tested Applications:** ELISA, IF/ICC, DB

**Host:** Rabbit

**Recommended dilutions:** IF/ICC: 1/10 - 1/50, DB: 1/500. Optimal dilutions/concentrations should be determined by the end user.

**Conjugation:** Unconjugated

# Datasheet

Version: 1.0.0  
Revision date: 17 Oct 2025



|                            |                                                                                                                                            |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Immunogen:</b>          | KLH-conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding T1224 of human MUC1.                              |
| <b>Isotype:</b>            | IgG                                                                                                                                        |
| <b>Form:</b>               | Liquid                                                                                                                                     |
| <b>Purification:</b>       | Purified through a protein A column, followed by two-step phosphospecific peptide affinity purification.                                   |
| <b>Storage:</b>            | Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.                                                                             |
| <b>UniProt Primary AC:</b> | P15941 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )                                                                                |
| <b>Molecular Weight:</b>   | Calculated MW: 122 kDa                                                                                                                     |
| <b>Buffer:</b>             | PBS containing 0.09% sodium azide.                                                                                                         |
| <b>Note:</b>               | THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION. |

For Reference Only