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## 10-6572: Mouse Monoclonal Antibody to MUC1 (Clone: 347CT26.1.3)(Discontinued)

Clonality: Monoclonal Clone Name: 347CT26.1.3

Application: WB
Reactivity: Human
Gene: MUC1
Gene ID: 4582
Uniprot ID: P15941
Format: Purified

Mucin-1, MUC-1, Breast carcinoma-associated antigen DF3, Cancer antigen 15-3, CA 15-3,

Carcinoma-associated mucin, Episialin, H23AG, Krebs von den Lungen-6, KL-6, PEMT, Peanut-reactive urinary mucin, PUM, Polymorphic epithelial mucin, PEM, Tumor-associated epithelial

membrane antigen, EMA, Tumor-associated mucin, CD227, Mucin-1 subunit alpha, MUC1-NT,

MUC1-alpha, Mucin-1 subunit beta, MUC1-beta, MUC1-CT, MUC1, PUM

**Isotype:** Mouse IgG2b

Immunogen Information: Recombinant Protein

## **Description**

**Alternative Name:** 

This gene 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. Multiple alternatively spliced transcript variants that encode different isoforms of this gene have been reported, but the full-length nature of only some has been determined. [provided by RefSeq].

## **Product Info**

**Amount:** 80 μl / 400 μl

**Purification:** Protein G Chromatography

**Content:** Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

Storage condition:

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term store at -20°C in small aliquots

to prevent freeze-thaw cycles.

## **Application Note**

WB~1:100~250

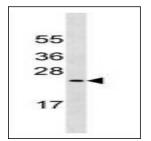


Figure 1: Western blot analysis of MUC1 Antibody (10-6572 ) in MDA-MB435 cell line lysates ( $35\hat{l}\frac{1}{4}g$ /lane). This demonstrates the MUC1 antibody detected the MUC1 protein.