



Meridian

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Innovative Solutions. Trusted Partner.®

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CERTIFICATE OF ANALYSIS

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.

Catalog #: M01289M **Lot #:** 5D10818

Description: MAb to MUC1
Monoclonal Antibody to Human MUC1 Glycoprotein

Specificity: Binds with high efficiency with different epitopes within the VNTR tandem repeat peptide region of MUC1 molecule. Efficiently recognizes underglycosylated and natural MUC1 protein isolated from human milk by affinity chromatography. Belongs to MAb clusters 6 and 7 according to ISOMB TD-4 classification. Does not cross-react with normal serum proteins and human tissues of nonepithelial origin.

Host Animal: Mouse **Isotype:** IgG

Source: Ascites

Immunogen: High molecular weight (> 300 kDa) glycoprotein from human milk-fat globule molecule.

Format: Purified, Liquid

Purification: > 90% pure (SDS-PAGE). Protein A Chromatography

Concentration: 8.5 mg/mL (OD280nm, E^{0.1%} = 1.4)

Buffer: Phosphate Buffered Saline, pH 7.4

Preservative: 0.09% Sodium Azide

Applications: Suitable for use in Immunohistochemical and Immunofluorescent detection of neoplastic breast epithelium, and breast, lung and ovarian tumor tissues (frozen and paraffin) MUC1 are abundantly present on the surface of growing tumor cell lines and on the surface and cytoplasm of malignant cells of epithelial origin. May be used development of highly effective ELISA tests for unglycosylated and underglycosylated tumor-associated MUC1 mucins in human serum. May also be used for the solid-phase capture of MUC1 isoforms. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

<u>Capture</u>	<u>Detection</u>	
M01292M	M01289M	Underglycosylated
M01294M	M01289M	Underglycosylated
M86240M	M01289M	Underglycosylated

Storage: Store at 2–8°C.

Safety Note(s): Refer to the appropriate Safety Data Sheet (SDS) for additional information.

Brenda Dun

18April2018

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY