



Meridian

Life Science,® Inc.

Innovative Solutions. Trusted Partner.®

5171 Wilfong Road
Memphis, TN 38134

USA

Telephone: 901-382-8716

Fax: 901-333-8223

Email: info@meridianlifescience.com

www.MeridianLifeScience.com

CERTIFICATE OF ANALYSIS

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

Catalog #: M86240M **Lot #:** 3D11518

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. Reacts with VNTR20 recombinant unglycosylated fragment of MUC1 protein, with monomeric VNTR MUC1 peptide, with deglycosylated and underglycosylated natural MUC1. Belongs to MAb clusters 6 and 7 according to ISOMB TD-4 classification. Non crossreactive with normal serum proteins and human tissues of nonepithelial origin.

Host Animal: Mouse **Isotype:** IgG

Source: Ascites

Immunogen: Recombinant (*E.coli*) VNTR20 (tandem repeat in MUC1 core) polypeptide

Format: Purified, Liquid

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

Concentration: 8.4 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.

Capture	Detection	
M86240M	M86240M	Unglycosylated
M86240M	M86205M	Underglycosylated MUC1
M86240M	M01288M	Underglycosylated MUC1
M86240M	M01289M	Underglycosylated MUC1

Storage: Store at 2–8°C.

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

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FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY