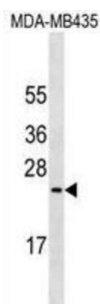


Mucin-1 (MUC1) Antibody

Catalogue No.: abx025382



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].

Target: Mucin-1 (MUC1)

Research Area: Tumor Immunity, Infection Immunity, Pulmonology

Clonality: Monoclonal

Reactivity: Human

Tested Applications: ELISA, WB

Host: Mouse

Recommended dilutions: WB: 1/500 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: Purified His-tagged Human MUC1 protein (Fragment)

Isotype: IgG_{2b}

Form: Liquid

Purification: Purified Mouse Monoclonal Antibody.

Storage: Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

Datasheet

Version: 2.0.0
Revision date: 10 Oct 2025



UniProt Primary AC: P15941 ([UniProt](#), [ExPASy](#))

Gene Symbol: MUC1

GeneID: [4582](#)

OMIM: [113720](#)

NCBI Accession: NP_001018016.1, NM_001018016.2

HGNC: 7508

KEGG: hsa:4582

Ensembl: ENSG00000185499

String: [9606.ENSP00000484824](#)

Molecular Weight: Calculated MW: 122 kDa

Buffer: PBS containing 0.09% sodium azide.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.