

Name: MUC1 mouse monoclonal antibody, clone UMAB57
Product Data Sheet - UltraMAB

Catalog: UM800008

Gene Name: Homo sapiens mucin 1, cell surface associated (MUC1), transcript variant 2
GeneBank accession: NM_001018016
Isotype: IgG2b

Reactivity: Human
Test application: WB
Clone Name: Clone UMAB57

Gene Synonym: CA 15-3; CD227; EMA; H23AG; KL-6; MAM6; MUC-1; MUC-1/SEC; MUC-1/X; MUC1/ZD; PEM; PEMT; PUM

Validation Data:
Western Blot

Guaranteed Applications: IHC, 10K-CHIP

Suggested Dilutions: IHC 1:100,

Immunogen: Full length human recombinant protein of human MUC1 (NP_001018016) produced in HEK293T cell.

Components:

- MUC1 mouse monoclonal antibody, clone UMAB57 (UM800008)

Amount:

UM800008 100ul

Concentration: 0.5~1.0 mg/ml (Lot Dependent)

Storage Condition: Shipped at 4C. Upon delivery store at -20C. Dilute in PBS (pH7.3) before use. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

Buffer: PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

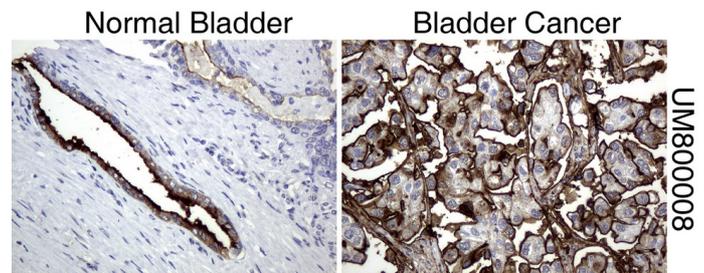
Purification:

Purified from mouse ascites fluids by affinity chromatography

Background:

This gene encodes a membrane-bound protein that is a member of the mucin family. Mucins are O-glycosylated proteins that play an essential role in forming protective mucous barriers on epithelial surfaces. These proteins also play a role in intracellular signaling. This protein is expressed on the apical surface of epithelial cells that line the mucosal surfaces of many different tissues including lung, breast stomach and pancreas. This protein is proteolytically cleaved into alpha and beta subunits that form a heterodimeric complex. The N-terminal alpha subunit functions in cell-adhesion and the C-terminal beta subunit is involved in cell signaling. Overexpression, aberrant intracellular localization, and changes in glycosylation of this protein have been associated with carcinomas. This gene is known to contain a highly polymorphic variable number tandem repeats (VNTR) domain. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Feb 2011].

IHC data



Immunohistochemical staining of paraffin-embedded Human normal bladder tissue and bladder cancer tissue using anti-MUC1 mouse monoclonal antibody. (UM800008)

Related Product:

TrueORF cDNA clones
VERIFY Tagged Antigen lysates
HuSH-29 shRNA
Western Blot reagents
Anti-myc/DDK tag antibodies

* Peptide sequence of the DDK-tag (Flag®): N-DYKDDDDK-C Flag® is a registered trademark of Sigma-Aldrich

* More validation images may be available on our website:

<http://www.origene.com/antibody/UM800008.aspx>

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.

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