

MUC1 monoclonal antibody, clone VU-2G7

Catalog # MAB21218

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of human MUC1.
Immunogen	A synthetic peptide (conjugated with BSA) corresponding to glycosylated MUC1 60mer tandem repeat.
Host	Mouse
Theoretical MW (kDa)	265-400
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/10 ⁶ cells in 0.1 mL) Immunofluorescence (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS.
Storage Instruction	Store at -20 to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunofluorescence
- Flow Cytometry

Gene Info — MUC1

Entrez GeneID	4582
Protein Accession#	P15941
Gene Name	MUC1
Gene Alias	CD227, EMA, H23AG, MAM6, PEM, PEMT, PUM
Gene Description	mucin 1, cell surface associated
Omim ID	158340
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	DF3 antigen H23 antigen MUC-1/SEC MUC-1/X MUC1/ZD OTTHUMP00000033787 OTTHUMP00000033790 OTTHUMP00000033795 breast carcinoma-associated antigen DF3 episialin mucin 1 mucin 1, transmembrane peanut-reactive urinary mucin polymorphic epithelial mucin tumor as

Disease

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