MUC1 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	MUC1, Monoclonal Antibody
Full Product Name	MUC1 (Mucin 1, Cell Surface Associated, CD227, EMA, H23AG, MAM6, PEM, PEMT, PUM) (MaxLight 490)
Product Gene Name	anti-MUC1 antibody
Product Synonym Names	Mucin 1; Cell Surface Associated; CD227; EMA; H23AG; MAM6; PEM; PEMT; PUM
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	1B7
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified
Specificity	Recognizes MUC1.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery o product, centrifuge the original vial prior to removing the cap.
Immunogen	MUC1 (NP_877418.1, 315aa-420aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	NSSLEDPSTDYYQELQRDISEMFLQIYKQGGFLGLSNIKFRPGSVVVQLTLAFREGTINVHDMETQFNQYKTEAASRYNLTISDVSVSDVPFPFSAQSGAG
Conjugate	MaxLight490
Product Categories/Family for anti-MUC1 antibody	Antibodies; Mucin
Applications Tested/Suitable for anti-MUC1 antibody	Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-MUC1 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-MUC1 antibody	This gene is a member of the mucin family and encodes a membrane bound, glycosylated phosphoprotein. The protein is anchored to the apical surfac many epithelia by a transmembrane domain, with the degree of glycosylation varying with cell type. It also includes a 20 aa variable number tandem re (VNTR) domain, with the number of repeats varying from 20 to 120 in different individuals. The protein serves a protective function by binding to pathog also functions in a cell signaling capacity. Overexpression, aberrant intracellular localization, and changes in glycosylation of this protein have been ass with carcinomas. Multiple alternatively spliced transcript variants that encode different isoforms of this gene have been reported, but the full-length natu only some has been determined. [provided by RefSeq]

Other Notes	Small volumes of anti-MUC1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necess briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and add dry ice fee may apply.
Searchable Terms for MUC1 purchase	MBS6207472 is an antibody targeting MUC1. Also known as MUC1 (Mucin 1, Cell Surface Associated, CD227, EMA, H23AG, MAM6, PEM, PEMT, PU (MaxLight 490). Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MUC1. It may not necessarily be applicable to this product.

NCBI GI #	33300665
NCBI Accession #	NP_877418.1
Protein Family	Mucin
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