

Datasheet

MUC1 monoclonal antibody (M03), clone 1B7

Catalog Number: H00004582-M03

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a partial recombinant MUC1.

Clone Name: 1B7

Immunogen: MUC1 (NP_877418.1, 315 a.a. ~ 420 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:

NSSLEDPSTDYYQELQRDISEMFLQIYKQGGFLGLSNI
KFRPGSVVVQLTLAFREGTINVHDMETQFNQYKTEAA
SRYNLTISDVSVDVPPFSAQSGAGVPGWG

Host: Mouse

Reactivity: Human

Applications: ELISA, IHC-P, S-ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG2a Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 4582

Gene Symbol: MUC1

Gene Alias: CD227, EMA, H23AG, MAM6, PEM, PEMT, PUM

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]