

Product datasheet for **AM32170PU-N**

EMA (MUC1) Mouse Monoclonal Antibody [Clone ID: 139H2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	139H2
Applications:	ELISA, EM, FC, IF, IHC, IP, WB
Recommended Dilution:	ELISA. Western blot. Electron Microscopy. Flow Cytometry. Immunofluorescence. Immunoprecipitation. Immunohistochemistry on Frozen Sections. Immunohistochemistry on Paraffin Sections: 10 µg/ml.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human milk-fat globule membranes (HMFGM).
Specificity:	This Mouse monoclonal antibody has been raised against Human milk-fat globule membranes (HMFGM) to obtain reagents for mammary tumor diagnosis. This monoclonal reacts towards an peptide epitope in the repeat region of MUC-1.
Formulation:	PBS State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	mucin 1, cell surface associated



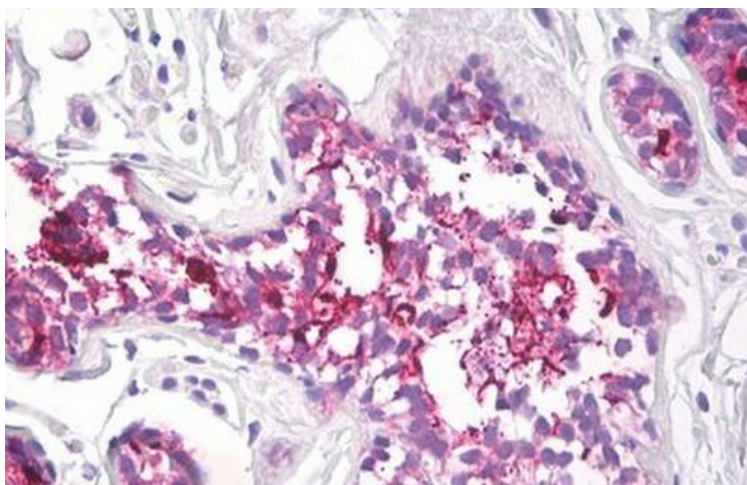
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Database Link: [Entrez Gene 4582 Human P15941](#)

Background: Mucin 1, cell surface associated (MUC-1) or polymorphic epithelial mucin (PEM) is a mucin encoded by the MUC1 gene in humans. MUC-1 is a glycoprotein with extensive O-linked glycosylation of its extracellular domain. Mucins line the apical surface of epithelial cells in the lungs, stomach, intestines, eyes and several other organs. 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 colon, breast, ovarian, lung and pancreatic cancers.

Synonyms: MUC-1, PEMT, Episialin, EMA, H23AG, PUM, DF3, CA 15-3

Product images:



Formalin-Fixed, Paraffin-Embedded Human Breast tissue respiratory epithelium stained with MUC1 Antibody Clone 139H2 at 10 ug/ml dilution after heat-induced antigen retrieval.