

Product datasheet for **AM32165PU-N**

EMA (MUC1) Mouse Monoclonal Antibody [Clone ID: VU-2G7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	VU-2G7
Applications:	ELISA, IHC
Recommended Dilution:	ELISA. Immunohistochemistry on frozen and paraffin sections.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	A Balb/c mouse was immunized with synthetically glycosylated MUC1 60mer tandem repeat NH ₂ -(HGVTSAPDT(GalNAc)RPAPGSTAPPAHG)3-COOH, conjugated to bovine serum albumin. Splenocytes were fused with SP2/0 mouse myeloma cells.
Specificity:	This antibody reacts to MUC1.
Formulation:	PBS State: Purified State: Liquid purified Ig fraction Preservative: 0,05% sodium azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody 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
Database Link:	Entrez Gene 4582 Human P15941



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Background:

VU-2G7 reacts with MUC1, a large transmembrane glycoprotein expressed on the ductal surface of normal glandular epithelia. The extracellular domain of MUC1 largely consists of a highly conserved, O-glycosylated 20 aminoacids tandem repeat which can occur 30-100 times per molecule depending on the length of the allele involved. In the vast majority of human carcinomas this protein is upregulated and poorly glycosylated and appears on the cell surface in a non-polarized fashion. The dominant epitope of VU-2G7 has not been established with “epitope fingerprinting”.

Synonyms:

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