

Datasheet for ABIN6937920 **anti-MUC1 antibody**



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	MUC1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MUC1 antibody is un-conjugated
Application:	ELISA, Coating (Coat)

Product Details

Immunogen:	Synthetic glycosylated MUC1 60mer tandem repeat NH ₂ - (HGVTSAPDT(GalNAc)RPAPGSTAPPAHG)3- COOH, conjugated to bovine serum albumin
Clone:	VU-2G7
Isotype:	IgG1 kappa
Specificity:	MAb VU-2G7 reacts with MUC1, a large transmembrane glycoprotein expressed on the ductal surface of normal glandular epithelia. The dominant epitope of VU-2G7 has not been established with 'epitope fingerprinting'. The extra cellular domain of MUC1 largely consists of a highly conserved, O-glycosylated 20 amino acids 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 up regulated and poorly glycosylated and appears on the cell surface in a non-polarized fashion.
Cross-Reactivity (Details):	Human.

Product Details

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	MUC1
Alternative Name:	MUC1 (MUC1 Products)
Background:	Breast carcinoma-associated antigen DF3, CA15-3, Carcinoma-associated mucin Episialin, Epithelial Membrane Antigen, H23AG, KL-6, MAM6, MUC-1, MUC-1/SEC, MUC-1/X, MUC1-alpha, MUC1-beta, MUC1-CT, MUC1-NT, MUC1/ZD, Mucin 1 cell surface associated, Mucin-1 subunit beta, Peanut-reactive urinary mucin, PEM, PEMT, Polymorphic epithelial mucin, PUM, Tumor-associated epithelial membrane antigen,MUC1 / CA15-3 / EMA / CD227 (Epithelial Marker) Cellular localisation: Cytoplasmic and Cell Surface
Molecular Weight:	265-400kDa
Gene ID:	4582, 89603
UniProt:	P15941
Pathways:	Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	Known_Application: ELISA (For coating use Ab at 1-5 µg/mL, order Ab without BSA) Optimal dilution for a specific application should be determined. Positive_Control: MCF-7 or MDA-231 cells. Breast, colon, ovarian, endometrial carcinoma.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months