

MUC1 / CA15-3 / EMA / CD227 (Epithelial Marker) Antibody

Mouse Monoclonal Antibody [Clone VU-2G7]

Catalog No	Format	Size
4582-MSM11-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4582-MSM11-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4582-MSM11-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

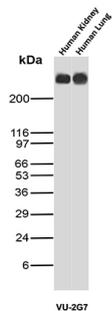
Applications	Tested Dillution	Note
Western Blot (WB)	2-4ug/ml	

Product Details

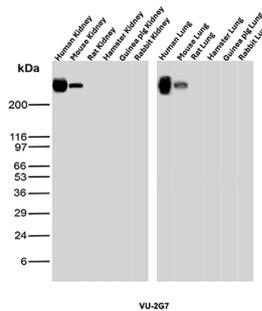
Clone	VU-2G7
Gene Name	MUC1
Immunogen	Synthetic glycosylated MUC1 60mer tandem repeat NH ₂ -(HGVTSAPDT(GalINAc)RPAPGSTAPPAHG) ₃ - COOH, conjugated to bovine serum albumin
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	265-400kDa
Cellular Localization	Apical cell membrane, Cell membrane, Cytoplasm, Nucleus, Secreted
Species Reactivity	Human, Mouse
Positive Control	Lung, Human kidney, Colon, endometrial carcinoma., MCF-7 or MDA-231 cells. Breast, Ovarian

*Optimal dilution for a specific application should be determined.

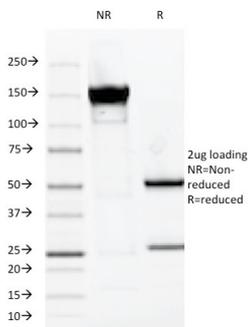
Product Images for MUC1 / CA15-3 / EMA / CD227 (Epithelial Marker) Antibody



Western Blot Analysis of Human kidney and Human Lung tissue lysates using MUC-1 Mouse Monoclonal Antibody (VU-2G7).



Western Blot Analysis of Human Kidney, Mouse Kidney, Rat Kidney, Hamster Kidney, Guinea pig Kidney, Rabbit Kidney, Human Lung, Mouse Lung, Rat Lung, Hamster Lung, Guinea pig Lung and Rabbit Lung tissue lysates using MUC-1 Mouse Monoclonal Antibody (VU-2G7).



SDS-PAGE Analysis of Purified MUC1 Mouse Monoclonal Antibody (VU-2G7).
Confirmation of Integrity and Purity of Antibody.

Specificity & Comments

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.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cancer, Cytokine Signaling, Immunology, Infectious Disease