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

Mouse Monoclonal Antibody [Clone rMUC1/960]

Catalog No	Format	Size
4582-MSM16-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4582-MSM16-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4582-MSM16-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

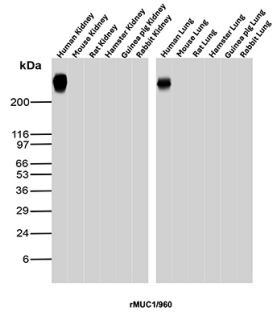
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

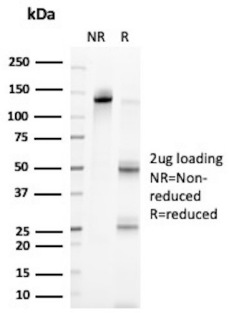
Clone	rMUC1/960
Gene Name	MUC1
Immunogen	Recombinant human MUC1 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	265-400kDa
Cellular Localization	Apical cell membrane, Cell membrane, Cytoplasm, Nucleus, Secreted
Species Reactivity	Human, Mouse
Positive Control	Colon, MCF-7 or MDA-231 cells. Human breast, ovarian or endometrial carcinoma.

**Optimal dilution for a specific application should be determined.*

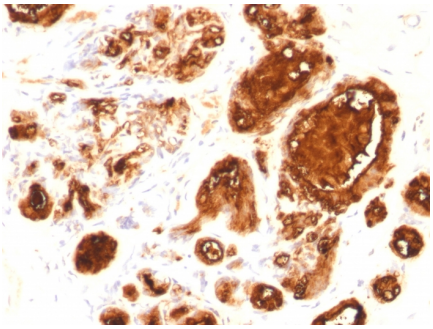
Product Images for Recombinant MUC1 / CA15-3 / EMA / CD227 (Epithelial Marker) Antibody



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 Recombinant Monoclonal Antibody (rMUC1/960).



SDS-PAGE Analysis of Purified MUC1 Recombinant Mouse Monoclonal Antibody (rMUC1/960). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human breast carcinoma stained with MUC1Mouse Recombinant Monoclonal Antibody (rMUC1/960).

Specificity & Comments

This MAb reacts with MUC1, a large transmembrane glycoprotein expressed on the ductal surface of normal glandular epithelia. The dominant epitope of this MAb involves both amino acids as well as sugar moieties. Neuraminidase treatment destroys the antigen. It is a very good tracer agent in CA15.3 assays. The extracellular 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.

Supplied As

200ug/ml of Ab produced in CHO cell mammalian-based expression system. 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

Cytokine Signaling, Immunology, Infectious Disease

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.