Product Datasheet

MUC1 Antibody (HMPV) - Azide and BSA Free
NBP2-47883-0.1mg

Unit Size: 0.1 mg

Store at -20 to -80C. Avoid freeze-thaw cycles.

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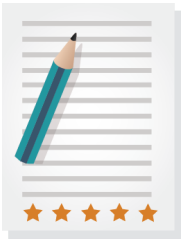


NBP2-47883-0.1mg

MUC1 Antibody (HMPV) - Azide and BSA Free

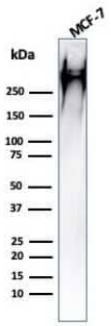
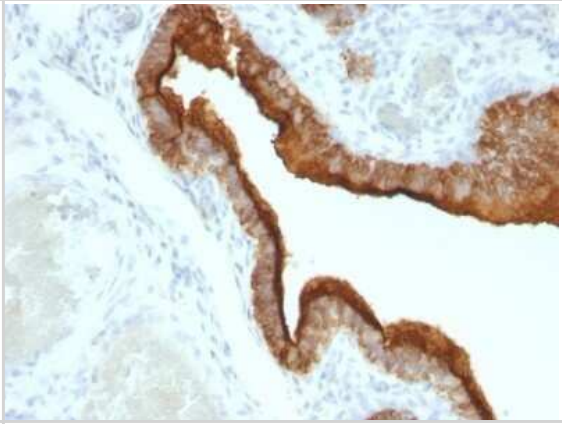
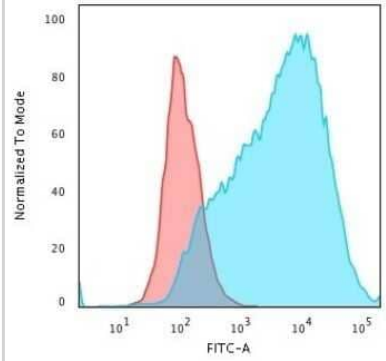
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	HMPV
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS

Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate on Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-44657). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.
Host	Mouse
Gene ID	4582
Gene Symbol	MUC1
Species	Human
Reactivity Notes	Others not known.
Marker	Epithelial Marker
Specificity/Sensitivity	This monoclonal antibody recognizes full-length MUC1 in a glycosylation-independent manner and can bind to the fully glycosylated protein. The dominant epitope of this monoclonal antibody is APDTR in the VNTR region. It reacts with the core peptide of the MUC1 protein, which is a member of a family of mucin glycoproteins that are characterized by high carbohydrate content, O-linked oligosaccharides, high molecular weight (200kDa) and an amino acid composition rich in serine, threonine, proline and glycine. The core protein contains a domain of 20 amino-acid tandem repeats that functions as multiple epitopes for the monoclonal antibody. Incomplete glycosylation of some tumor-associated mucins may lead to variable unmasking of the multiple peptide epitopes leading to the observed differences in staining intensity between normal and malignant tissues. This monoclonal antibody reacts with both normal and malignant epithelia of various tissues including breast and colon.
Immunogen	Human breast cancer cell line ZR-75 cells

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Immunofluorescence
Recommended Dilutions	Western Blot 1-2 ug/ml, Flow Cytometry 0.5 - 1 ug/million cells in 0.1 ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 0.25 - 0.5 ug/ml, Immunofluorescence 1 - 2 ug/ml, CyTOF-ready

Application Notes	Immunohistology (Formalin-paraffin): 0.5-1.0ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

Images

Western Blot: MUC1 Antibody (HMPV) - Azide and BSA Free [NBP2-47883] - Western Blot Analysis of human MCF-7 cell lysate using MUC1 Antibody (HMPV).	
Immunohistochemistry-Paraffin: MUC1 Antibody (HMPV) - Azide and BSA Free [NBP2-47883] - Human Ovarian Carcinoma stained with EMA Monoclonal Antibody (HMPV).	
Flow Cytometry: MUC1 Antibody (HMPV) - Azide and BSA Free [NBP2-47883] - Flow Cytometric Analysis of PFA-fixed MCF-7 cells. MUC1 Antibody (HMPV) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red)	

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Products Related to NBP2-47883-0.1mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
H00004582-Q01-10ug	Recombinant Human MUC1 GST (N-Term) Protein

Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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