Product Datasheet

MUC1 Antibody (MUC1/967) - Azide and BSA Free NBP2-47885-0.1mg

Unit Size: 0.1 mg

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

www.novusbio.com



technical@novusbio.com

Protocols, Publications, Related Products, Reviews, Research Tools and Images at: www.novusbio.com/NBP2-47885

Updated 10/23/2024 v.20.1

Earn rewards for product reviews and publications.

Submit a publication at www.novusbio.com/publications Submit a review at www.novusbio.com/reviews/destination/NBP2-47885



NBP2-47885-0.1mg

MUC1 Antibody (MUC1/967) - 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 MUC1/967 Preservative No Preservative Isotype IgG1 Kappa Purity Protein A or G purified Buffer 10 mM PBS Product Description			
Concentration 1.0 mg/ml Storage Store at -20 to -80C. Avoid freeze-thaw cycles. Clonality Monoclonal Clone MUC1/967 Preservative No Preservative Isotype IgG1 Kappa Purity Protein A or G purified Buffer 10 mM PBS Product Description 1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide. (NBP2-44659). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C. C. Host Gene ID 4582 Gene Symbol MUC1 Species Human Reactivity Notes Others not known. Marker Epithelial Marker Specificity/Sensitivity This monoclonal antibody is ADTR in the VNTR region. It reacts with the core peptide of the MUC1 protein, Wich is a member of a family of mucin and malignant itsues. This monoclonal antibody. Incomplex stant function preserves including of mucin and malignant itsues. This monoclonal antibody is ADTR in the VNTR egion. It reacts with the core peptide of the MUC1 protein and glycosylation of some tumoraassociated mucins may lead to variable unmasking of the mutiple peptide epitopes for the monoclonal antibody. Incomplets glycosylation of	Product Information		
Storage Storage Storage Storage - 20 to -80C. Avoid freeze-thaw cycles. Clonality Monoclonal Clone MUC1/967 Preservative No Preservative Isotype IgG1 Kappa Purity Protein A or G purified Buffer 10 mM PBS Product Description 10 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITH-OUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-44659). 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 is ADTR in the VNTR region. It reacts with the core peptide of the MUC1 protein, which is a member of a family of mucin and malignant itsues. This monoclonal antibody. Incompast that functions as multiple composition rich in serine, threonine, proline and glycine. The command and malignant itsues. This monoclonal antibody is ADTR in the VNTR egion. It reacts with the core peptide of the MUC1 protein and glycine. The content on an aniing adt issues. This monoclonal antibody is reacts with both normal and malignant issu	Unit Size	0.1 mg	
Clonality Monoclonal Clone MUC1/967 Preservative No Preservative Isotype IgG1 Kappa Purity Protein A or G purified Buffer 10 mM PBS Product Description 1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-44659). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C. Host Mouse Gene ID 4582 Gene ID 4582 Gene Symbol MUC1 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 APDF in the VNTR region. It reacts with the core paptide of the MUC1 protein, which is a member of a family of mucin glycosylation 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 is APDF in the VNTR region. It reacts with the core paptide of the MUC1 protein, which is a member of a family of mucin glycosylation 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 is carbotydrate content. O-linked oligosaccharides, high molecular weight (200k	Concentration	1.0 mg/ml	
Clone MUC1/967 Preservative No Preservative Isotype IgG1 Kappa Purity Protein A or G purified Buffer 10 mM PBS Product Description 1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide. Also available at 200 ug/ml WITH BSA & azide. Naso available at 200 ug/ml WITH BSA & azide. Naso available at 200 ug/ml WITH BSA & azide. Naso available at 200 ug/ml WITH BSA & azide. Naso available at 200 ug/ml WITH BSA & azide. Maso available at 200 ug/ml WITH BSA & azide. Naso available at 200 ug/ml MITH BSA & azide. Store at 200 taside available at 200 ug/ml MIC1 in a glycosylation	Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.	
Preservative No Preservative Isotype IgG1 Kappa Purity Protein A or G purified Buffer 10 mM PBS Product Description	Clonality	Monoclonal	
Isotype IgG1 Kappa Purity Protein A or G purified Buffer 10 mM PBS Product Description 1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-44659). 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 for toreit, 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 portein contains a domain of 20 amino-acid tandem repeats that functions as multiple epitopes for the monoclonal antibody reacts with both normal and malignant epithelia of various tissues including breast and colon. Immunogen Human milk-fat globule membranes (HMFGM) (Uniprot: P15941) Product Application Details Applications Western Blot, Flow Cytometry, Immunofucorescence, Immunohistochemistry, Immunocytochemistry-Paraffin, CyTOF-ready, Immunohistochemistry, Immunocytochemistry-Paraffin, CyTOF-ready,	Clone	MUC1/967	
Purity Protein A or G purified Buffer 10 mM PBS Product Description 1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-44659). 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 reacts with both normal and malignant epithelia of variable unmasking of the multiple peptide epitopes leading to the observed differences in staining intensity between normal and malignant epithelia of variaus tissues including breast and colon. Immunogen Human milk-fat globule membranes (HMFGM) (Uniprot: P15941) Product A	Preservative	No Preservative	
Buffer 10 mM PBS Product Description 1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-44659). 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 full glycosylated protein. The dominant egitope of this monoclonal antibody. RAPDTR 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 oigosacchardies, 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 tumoraassociated mucins may lead to variable unmasking of the multiple peptide epitopes for the monoclonal antibody reacts with both normal and malignant epitopelia of the observed differences in staining intensity between normal and malignant epithelia of variable unmasking of the multiple peptide epitopes for the monoclonal antibody is cluding treast with both normal and malignant epithelia of variable unmasking of the multiple peptide epitopes for the m	Isotype	IgG1 Kappa	
Product Description 1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PES WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-44659). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C. 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 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 a maino acid composition rich in serine, threonine, proline and glycine. The core protein contains a d domian of 20 amino-acid tandem repeats that functions as an ultiple epitopes for the monoclonal antibody. Incomplete glycosylation of some tumor- associated mucing to wariable unmasking of the multiple peptide epitopes for the monoclonal antibody reacts with both normal and malignant tissues. This monoclonal antibody reacts with both normal and malignant tissues. This monoclonal antibody reacts with both normal and malignant epithelia of various tissues including breast and colon. Immunogen Human milk-fat globule membranes (HMFGM) (Uniprot: P15941) <th>Purity</th> <th>Protein A or G purified</th>	Purity	Protein A or G purified	
Description 1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-44659). 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. Incomplet glycosylation of some tumor- associated mucins may lead to variable unmasking of the multiple peptide epitopes leading to the observed differences in staining its with both normal and malignant tissues. This monoclonal antibody recognise sital hoth normal and malignant tissues. This monoclonal antibody recognise with both normal and malignant epithelia of various tissues including breast and colon. Immunongen Human milk-fat globule membranes (HMFGM) (Uniprot: P15941) <	Buffer	10 mM PBS	
Prepared in 10MM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-44659).Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.HostMouseGene ID4582Gene SymbolMUC1SpeciesHumanReactivity NotesOthers not known.MarkerEpithelial MarkerSpecificity/SensitivityThis 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 leading to the observed differences in staining intensity between normal and malignant tissues. This monoclonal antibody is coponiet with hormal and malignant epithelia of various tissues including breast and colon.ImmunogenHuman milk-fat globule membranes (HMFGM) (Uniprot: P15941)Product Application Details ApplicationsWestern Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, CyTOF-ready, Immunohistochemistry-Paraffin, C2F 0.5 ug/ml, Immunofluorescence	Product Description		
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 epithelia of various tissues including breast and colon. Immunogen Human milk-fat globule membranes (HMFGM) (Uniprot: P15941) Product Application Details Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1 - 2 ug/ml, Immunohistochemistry, Immunocytochemistry.	Description	Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-44659). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80	
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 epithelia of various tissues including breast and colon. Immunogen Human milk-fat globule membranes (HMFGM) (Uniprot: P15941) Product Application Details 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-Paraffin 0.25 - 0.5 ug/ml, Immunofluorescence 1 - 2 ug/ml, Immunofluorescence	Host	Mouse	
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 epithelia of various tissues including breast and colon. Immunogen Human milk-fat globule membranes (HMFGM) (Uniprot: P15941) Product Application Details Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 0.25 - 0.5 ug/ml, Immunofluorescence 1 - 2	Gene ID	4582	
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 milk-fat globule membranes (HMFGM) (Uniprot: P15941) Product Application Details Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry. Paraffin 0.25 - 0.5 ug/ml, Immunofluorescence 1-2	Gene Symbol	MUC1	
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 milk-fat globule membranes (HMFGM) (Uniprot: P15941) Product Application Details Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1- 2 ug/ml, Immunohistochemistry-Paraffin 0.25 - 0.5 ug/ml, Immunofluorescence 1- 2	Species	Human	
Specificity/SensitivityThis 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.ImmunogenHuman milk-fat globule membranes (HMFGM) (Uniprot: P15941)Product Application DetailsWestern Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunocytochemistry-Paraffin, CyTOF-ready, ImmunofluorescenceRecommended DilutionsWestern Blot 1-2 ug/ml, Flow Cytometry 0.5 - 1 ug/million cells in 0.1 ml, Immunohistochemistry. Paraffin 0.25 - 0.5 ug/ml, Immunofluorescence 1 - 2	Reactivity Notes	Others not known.	
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.ImmunogenHuman milk-fat globule membranes (HMFGM) (Uniprot: P15941)Product Application DetailsWestern Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunocytochemistry-Paraffin, CyTOF-ready, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1-2 ug/ml, Immunohistochemistry. Paraffin 0.25 - 0.5 ug/ml, Immunofluorescence 1 - 2	Marker	Epithelial Marker	
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 1-2 ug/ml, Immunohistochemistry-Paraffin 0.25 - 0.5 ug/ml, Immunofluorescence 1 - 2	Specificity/Sensitivity	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	
ApplicationsWestern Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, ImmunofluorescenceRecommended DilutionsWestern Blot 1-2 ug/ml, Flow Cytometry 0.5 - 1 ug/million cells in 0.1 ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 0.25 - 0.5 ug/ml, Immunofluorescence 1 - 2	Immunogen	Human milk-fat globule membranes (HMFGM) (Uniprot: P15941)	
Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, ImmunofluorescenceRecommended DilutionsWestern Blot 1-2 ug/ml, Flow Cytometry 0.5 - 1 ug/million cells in 0.1 ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 0.25 - 0.5 ug/ml, Immunofluorescence 1 - 2	Product Application Details		
Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 0.25 - 0.5 ug/ml, Immunofluorescence 1 - 2	Applications	Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready,	
	Recommended Dilutions	Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 0.25 - 0.5 ug/ml, Immunofluorescence 1 - 2	



Application Notes

Immunohistology (Formalin-paraffin): 0.25-0.5ug/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 (MUC1/967) - Azide and BSA Free [NBP2 -47885] - Western Blot Analysis of human MCF-7 cell lysate using MUC1 antibody (MUC1/967).	kDa 250 150 100 100 50 37 25 15 10 15 10 25 15 10 25 10 25 20 10 25 20 10 25 20 25 26 27 27 26 27 27 27 27 28 29 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 25 20
Immunohistochemistry-Paraffin: MUC1 Antibody (MUC1/967) - Azide and BSA Free [NBP2-47885] - Human Endometrial Carcinoma stained with EMA Monoclonal Antibody (MUC1/967).	
Immunohistochemistry-Paraffin: MUC1 Antibody (MUC1/967) - Azide and BSA Free [NBP2-47885] - Human Ovarian Carcinoma stained with EMA Monoclonal Antibody (MUC1/967).	
Immunohistochemistry-Paraffin: MUC1 Antibody (MUC1/967) - Azide and BSA Free [NBP2-47885] - Human Breast Carcinoma stained with EMA Monoclonal Antibody (MUC1/967).	

www.novusbio.com





Novus Biologicals USA

10730 E. Briarwood Avenue Centennial, CO 80112 USA Phone: 303.730.1950 Toll Free: 1.888.506.6887 Fax: 303.730.1966 nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave Toronto, ON M8Z 4E6 Canada Phone: 905.827.6400 Toll Free: 855.668.8722 Fax: 905.827.6402 canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane Abingdon Science Park Abingdon, OX14 3NB, United Kingdom Phone: (44) (0) 1235 529449 Free Phone: 0800 37 34 15 Fax: (44) (0) 1235 533420 info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com Technical Support: nb-technical@biotechne.com Orders: nb-customerservice@bio-techne.com General: novus@novusbio.com

Products Related to NBP2-47885-0.1mg

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-47885

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications

www.novusbio.com

