Product Datasheet

MUC1 Antibody (HMPV) NBP2-44657-0.1mg

Unit Size: 0.1 mg

Store at 4C.

www.novusbio.com

technical@novusbio.com

Protocols, Publications, Related Products, Reviews, Research Tools and Images at: www.novusbio.com/NBP2-44657

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/NBP2-44657



NBP2-44657-0.1mg

MUC1 Antibody (HMPV)

Product Information Unit Size 0.1 mg Concentration 0.2 mg/ml Storage Storage Store at 4C. Clonality Monoclonal Clone HMPV Preservative 0.05% Sodium Azide Isodype Isodype Isotype IgG1 Kappa Perservative 0.05% Sodium Azide Buffer 10 mM PBS with 0.05% BSA Perservative Outperservative Description 200ug/ml of antibody purified from Bioreactor Concentrate on Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WTIHOUT BSA & azide at 1.0 mg/ml. (NBP2-4788) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C. C Host Mouse Gene ID 4582 Gene ID 4582 Gene Symbol MUC1 Species Human Reactivity Notes Others not known. Marker Epithelial Marker Specificity/Sensitivity This imonoclonal antibody is APDTR in the VNTR region. The dominant epitopes for the wonoclonal antibody is APDTR in the VNTR region. United composition rich in serine, threonolal antibody is APDTR in the VNTR region. It eracts with the core peptide of the MUC1 protein, which is a member of a family of mucin dycoproteins that are charaderized by high cabo	,	
Concentration 0.2 mg/ml Storage Store at 4C. Clonality Monoclonal Clone HMPV Preservative 0.05% Sodium Azide Isotype IgG1 Kappa Purity Protein A or G purified Buffer 10 mM PBS with 0.05% BSA Product Description 200ug/ml of antibody purified from Bioreactor Concentrate on Protein A or G. Prepared in 10 mM PBS with 0.05% BSA 8.0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-47883) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C. Co. Host Mouse Gene ID Gene B Human Reactivity Notes Others not known. Marker Epithelial Marker Specificity/Sensitivity This monoclonal antibody recognizes full-length MUC1 in a glycosylation-inidependent manner and can bind to the fully glycosylate content, O-linked oilgosaccharides, high molecular weight (200kDa) and an amino acid composition rich in sericinze add mains of mucin glycosylation or saved add variable umaging and using tracticized by high carbohydrate content, O-linked oilgosaccharides, high molecular weight (200kDa) and an amino acid composition rich in sericin, threonine, and parties admarking of the multiple peptide epidopes to the monoclonal antibody is arabohydrate content, O-linked oilgosaccharides, high mol	Product Information	
Storage Store at 4C. Clonality Monoclonal Clone HMPV Preservative 0.05% Sodium Azide Isotype IgG1 Kappa Purity Protein A or G purified Buffer 10 mM PBS with 0.05% BSA Product Description 200ug/ml of antibody purified from Bioreactor Concentrate on Protein A or G. Product Description 200ug/ml of antibody purified from Bioreactor Concentrate on Protein A or G. Product Description 200ug/ml of antibody purified from Bioreactor Concentrate on Protein A or G. Product Description 200ug/ml of antibody purified from Bioreactor Concentrate on Protein A or G. Mouse Recentropy and the addition of the State Action of State Action and the State Action on State Action and the State Action of C. 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 APDT in the VNTR region. It reacts with the core peptide of the MUC1 protein, which is a member	Unit Size	0.1 mg
Clonality Monoclonal Clone HMPV Preservative 0.05% Sodium Azide Isotype IgG1 Kappa Purity Protein A or G purified Buffer 10 mM PBS with 0.05% BSA Product Description 200ug/ml of antibody purified from Bioreactor Concentrate on Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WTIPOUT BSA & azide at 1.0 mg/ml. (MBP2-47833) 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 Specifies 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 glycosylation or independent manner and can bind to the fully glycosylation or independent manner and can bind to the fully glycosylation or mucin glycoproteins that are characterized by high carbohydrate content., Olinked oilgosacchardes, high molecular weight (200kDa) and an amino acid composition rich in serine, threonine, proline and glycine. The core protein contains a domain of 20 arino-acid tandem repeats that functions as multiple epitopes for the monoclonal antibody recogn set suits both normal and malignant tissues. This monoclonal antibody recast with both normal and malignant epithelia of various tissues in	Concentration	0.2 mg/ml
Clone HMPV Preservative 0.05% Sodium Azide Isotype IgG1 Kappa Purity Protein A or G purified Buffer 10 mM PBS with 0.05% BSA Product Description 200ug/ml of antibody purified from Bioreactor Concentrate on Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-47883) 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 his 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 incomplete glycosylated protein. The dominant epitope of this monoclonal antibody incomplete glycosylated protein. The dominant epitopes for the monoclonal antibody incomplete glycosylated protein and 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 protei	Storage	Store at 4C.
Preservative 0.05% Sodium Azide Isotype IgG1 Kappa Purity Protein A or G purified Buffer 10 mM PBS with 0.05% BSA Product Description 200ug/ml of antibody purified from Bioreactor Concentrate on Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-47883) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C. Host Mouse Gene BD 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 independent manner and can bind to the fully glycosylated protein. The dominant independent manner and can bind to the fully glycosylated protein. The dominant independent manner and can bind to the fully glycosylated protein. The dominant independent manner and can bind to the fully glycosylated protein acid. composition rine is serine, threonine, protein a dilycosylated protein acid. composition rine is serine, threonine, protein a dilycosylated or series with the core peptide of the MUC1 protein, which is a member of a family of mucin glycoproteins th series. This monoclonal antibody. Incomplete glycosylated notes mutmorasociated mucins may lead to variable unmasking of t	Clonality	Monoclonal
Isotype IgG1 Kappa Purity Protein A or G purified Buffer 10 mM PBS with 0.05% BSA Product Description 200ug/ml of antibody purified from Bioreactor Concentrate on Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-47883) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C. Host Mouse Gene D 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 (200K0) and an amino acid composition this a semice of a family of mucin and malignant tissues. This monoclonal antibody recess instaining intensity between normal and malignant tissues. This 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 tissues. This monoclonal antibody reacts with both normal and malignant tissues. This monocloneal antibody reacts with both normal and mal	Clone	HMPV
Purity Protein A or G purified Buffer 10 mM PBS with 0.05% BSA Product Description 200ug/ml of antibody purified from Bioreactor Concentrate on Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-47883) 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 epitope of this monoclonal antibody recognizes full-length MUC1 in a glycosylation- independent manner and can bind to the full glycosylated protein. The dominant epitope of the 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 landem 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 for the monoclonal antibody reacts with both normal and malignan	Preservative	0.05% Sodium Azide
Buffer 10 mM PBS with 0.05% BSA Product Description 200ug/ml of antibody purified from Bioreactor Concentrate on Protein A or G. Prepared in 10 mM PBS with 0.05% BSA 8.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-47883) 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 for the monoclonal antibody. Incomplete glycosylation of some tumor-associated mucins may lead to variable unmasking of the multiple peptide epitopes for the monoclonal antibody. Incomplete glycosylation of some tumor-associated mucins may lead to variable unmasking of the multiple peptide epitopes for the monoclonal antibody. Incomplete g	Isotype	IgG1 Kappa
Product Description 200ug/ml of antibody purified from Bioreactor Concentrate on Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-47883) 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 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 glycosylation sta drama in serine, threonine, proline and glycine. The core protein compassion rich arearacterized 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 anion-acid tandem repeats that functions as multiple epitopes for the monoclonal antibody. Incomplete glycosylation of some tumoraasociated mucins may lead to various tissues including breast and colon. Immunogen Human breast cancer cell line ZR-75 cells Product Application Details Western Blot, Flow Cytometry, Immunofluorescence, Immunohistochemistry, Immunofluorescence, Immunohistochemistry, Immunofluorescence, Immunohistochemistry, Immunofluorescence, I-2 ug/ml, Immunohistochemistry, Immunofluoresce	Purity	Protein A or G purified
Description 200ug/ml of antibody purified from Bioreactor Concentrate on Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-47883) 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 for the 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. Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunocytochem	Buffer	10 mM PBS with 0.05% BSA
Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-47883) 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 epiope 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 iscast and colon.ImmunogenHuman breast cancer cell line ZR-75 cellsProduct Application DetailsWestern Blot, Flow Cytometry, Immunofytochemistry/ Immunofluorescence, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml,	Product Description	
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 epicpe 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 	Description	Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-47883)
Gene 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 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.ImmunogenHuman breast cancer cell line ZR-75 cellsProduct Application DetailsWestern Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunofluorescence, Immunohistochemistry, Immunofluorescence, Immunohistochemistry, Immunofluorescence 1-2 ug/ml, Immunofistochemistry/ Immunofluorescence 1-2 ug/ml,		
Gene 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 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 breast cancer cell line ZR-75 cellsProduct Application DetailsWestern Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry/ Immunofluorescence 1-2 ug/ml,	Host	Mouse
SpeciesHumanReactivity 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 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 tissues. This 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 tissues. This 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 tissues. This 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.ImmunogenHuman breast cancer cell line ZR-75 cellsProduct Application DetailsWest	Gene ID	4582
Reactivity 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 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 breast cancer cell line ZR-75 cellsProduct Application DetailsWestern Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-ParaffinRecommended DilutionsWestern Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/million cells, Immunofluorescence 1-2 ug/ml,	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 breast cancer cell line ZR-75 cells Product Application Details Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin Recommended Dilutions Western Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml,	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 breast cancer cell line ZR-75 cellsProduct Application DetailsWestern Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-ParaffinRecommended DilutionsWestern Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/million cells, Immunofluorescence 1-2 ug/ml,	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 breast cancer cell line ZR-75 cellsProduct Application DetailsWestern Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-ParaffinRecommended DilutionsWestern Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/million cells, Immunofluorescence 1-2 ug/ml,	Marker	Epithelial Marker
Product Application Details Applications Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin Recommended Dilutions Western Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml,	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-ParaffinRecommended DilutionsWestern Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml,	Immunogen	Human breast cancer cell line ZR-75 cells
Immunohistochemistry, Immunohistochemistry-Paraffin Recommended Dilutions Western Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml,	Product Application Details	
Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml,	Applications	
	Recommended Dilutions	Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml,



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) [NBP2-44657] - Western Blot Analysis of human MCF-7 cell lysate using MUC1 Antibody (HMPV).	kDa 250
Immunohistochemistry-Paraffin: MUC1 Antibody (HMPV) [NBP2-44657] - Human Ovarian Carcinoma stained with EMA Monoclonal Antibody (HMPV).	
Flow Cytometry: MUC1 Antibody (HMPV) [NBP2-44657] - Flow Cytometric Analysis of PFA-fixed MCF-7 cells. MUC1 Antibody (HMPV) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red)	$H_{\text{FITC-A}}^{100}$





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 NBP2-44657-0.1mg

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/NBP2-44657

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

www.novusbio.com

