# **Product Datasheet**

# MUC1 Antibody (MUC1/955) [DyLight 755] NBP2-47884IR

Unit Size: 0.1 ml

Store at 4C in the dark.

www.novusbio.com



technical@novusbio.com

Protocols, Publications, Related Products, Reviews, Research Tools and Images at: www.novusbio.com/NBP2-47884IR

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/NBP2-47884IR



## **NBP2-47884IR**

MUC1 Antibody (MUC1/955) [DyLight 755]

Unit Size 0.1 ml  Concentration Please see the vial label for concentration. If unlisted please contact technical services.  Storage Store at 4C in the dark.  Clonality Monoclonal  Clone MUC1/955  Preservative 0.05% Sodium Azide Isotype IgG1 Kappa  Conjugate DyLight 755  Purity Protein A or G purified Buffer 50mM Sodium Borate  Product Description  Description This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.  Host Mouse  Gene ID 4582  Gene Symbol MUC1  Species Human, Mouse  Reactivity Notes Human and Mouse. Others not known.  Marker Epithelial Marker  Specificity/Sensitivity This monoclonal antibody reacts with MUC1. The dominant epitope of this monoclonal antibody has not yet been determined. MUC1 is a large cell surface mucin plycoprotein expressed by most glandular and ductal epithelial cells and some hematopoietic cell. It is expressed abundantly in lactating mammany glands and some hematopoietic cells. It is expressed abundantly in lactating mammany glands and some hematopoietic cells. It is expressed abundantly in lactating mammany glands and over expressed abundantly in lactating glands. The MUC1 gene contains seven exons and produces several different alternatively spliced variants. The major expressed form of MUC1 use all seven exons and is a type 1 transmembrane protein with a large extracellular tandem repeat domain is highly 0 glycosylated and alterations in glycosylation have been shown in epithelial cancer cells. Antibody to EMA is useful as a pan-epithelial marker for detecting early metastatic loci of carcinoma in bone marrow or liver.  Immunogen  Notes  Product Application Details	meer / massay (meer, eee)	[27=g00]
Concentration Please see the vial label for concentration. If unlisted please contact technical services. Storage Store at 4C in the dark. Clonality Monoclonal Clone MUC1/955 Preservative 0.05% Sodium Azide Isotype IgG1 Kappa Conjugate DyLight 755 Purity Protein A or G purified Buffer SomM Sodium Borate Product Description Description This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet. Host Mouse Gene ID 4582 Gene Bymbol MUC1 Species Human, Mouse Reactivity Notes Human and Mouse. Others not known. Marker Epithelial Marker Specificity/Sensitivity This monoclonal antibody has not yet been determined. MUC1 is a large cell surface mucin glycoprotein expressed by most glandular and ductal epithelial cells and some hematopoietic cell lineages. It is expressed on most secretory epithelium, including mammary gland and some hematopoietic cells. It is expressed different alternatively spliced variants. The major expressed form of MUC1 uses all seven exons and is a type 1 transmembrane protein with a large extracellular tandem repeat domain. The tandem repeat domain is highly 0 glycosylated and alterations in glycosylation have been shown in epithelial cancer cells. Antibody to EMA is useful as a pan-epithelial marker for detecting early metastatic loci of carcinoma in bone marrow or liver.  Immunogen Human milk-fat globule membranes (HMFGM) (Uniprot: P15941) Notes  DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.	Product Information	
Storage Store at 4C in the dark.  Clonality Monoclonal  Clone MUC1/955  Preservative 0.05% Sodium Azide  Isotype IgG1 Kappa  Conjugate DyLight 755  Purity Protein A or G purified  Buffer 50mM Sodium Borate  Product Description  Description This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.  Host Mouse  Gene ID 4582  Gene Symbol MUC1  Species Human, Mouse  Reactivity Notes Human and Mouse. Others not known.  Marker Epithelial Marker  Specificity/Sensitivity This monoclonal antibody reacts with MUC1. The dominant epitope of this monoclonal antibody has not yet been determined. MUC1 is a large cell surface mucin glycoprotien expressed by most glandular and ductal epithelial cells and some hematopoietic cell lineages. It is expressed on most secretory epithelium, including mammary glands and over expressed abundantly in lactating mammary glands and over expressed form of MUC1 uses all seven exons and is a type 1 transmembrane protein with a large extracellular tandem repeat domain. The landem repeat domain is highly of glycosylated and alterations in glycosylation have been shown in epithelial cancer cells. Antibody to EMA is useful as a pan-epithelial marker for detecting early metastatic loci of carcinoma in bone marrow or liver.  Immunogen Human milk-fat globule membranes (HMFGM) (Uniprot: P15941)  Notes  DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.	Unit Size	0.1 ml
Clone MUC1/955  Preservative 0.05% Sodium Azide Isotype IgG1 Kappa Conjugate DyLight 755 Purity Protein A or G purified Buffer 50mM Sodium Borate  Product Description  Description This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.  Host Mouse Gene ID 4582 Gene Symbol MUC1 Species Human, Mouse Reactivity Notes Human and Mouse. Others not known.  Marker Epithelial Marker  Specificity/Sensitivity This monoclonal antibody has not yet been determined. MUC1 is a large cell surface mucin glycoprotein expressed by most glandular and ductal epithelial cells and some hematopoietic cell lineages. It is expressed abundantly in lactating mammary gland and some nematopoietic cells. It is expressed abundantly in lactating mammary glands and over expressed abundantly in 90% breast carcinomas and metastases. Transgenic MUC1 has been shown to associate with all four c-erbB receptors and localize with e-erbB1 (EGFR) in lactating glands. The MUC1 gene contains seven exons and produces several different alternatively spliced variants. The major expressed form of MUC1 uses all seven exons and is a type 1 transmembrane protein with a large extracellular tandem repeat domain. The tandem repeat domain is highly O glycosylated and alterations in glycosylation have been shown in epithelial cancer cells. Antibody to EMA is useful as a pan-epithelial marker for detecting early metastatic loci of carcinoma in bone marrow or liver.  Immunogen  Human milk-fat globule membranes (HMFGM) (Uniprot: P15941)  Notes  DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.	Concentration	·
Clone MUC1/955 Preservative 0.05% Sodium Azide Isotype IgG1 Kappa Conjugate DyLight 755 Purity Protein A or G purified Buffer 50mM Sodium Borate  Product Description Description This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.  Host Mouse Gene ID 4582 Gene Symbol MUC1 Species Human, Mouse Reactivity Notes Human and Mouse. Others not known.  Marker Epithelial Marker Specificity/Sensitivity This monoclonal antibody has not yet been determined. MUC1 is a large cell surface mucin glycoprotein expressed by most glandular and ductal epithelial cells and some hematopoletic cell lineages. It is expressed abundantly in lactating mammary gland and over expressed abundantly in 90% breast carcinomas and melastases. Transgenic MUC1 has been shown to associate with all four o-erbB receptors and localize with e-erbB1 (EGFR) in lactating glands. The MUC1 gene contains seven exons and produces several different alternatively spliced variants. The major expressed form of MUC1 uses all seven exons and is a type 1 transmembrane protein with a large extracellular tandem repeat domain. The landem repeat domain is highly O glycosylated and alterations in glycosylation have been shown in epithelial cancer cells. Antibody to EMA is useful as a pan-epithelial marker for detecting early metastatic loci of carcinoma in bone marrow or liver.  Immunogen Human milk-fat globule membranes (HMFGM) (Uniprot: P15941)  Notes  DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.	Storage	Store at 4C in the dark.
Preservative   IgG1 Kappa   IgG1 Kappa   IgG1 Kappa   DyLight 755     Purity	Clonality	Monoclonal
IgG1 Kappa  Conjugate DyLight 755  Purity Protein A or G purified  Buffer 50mM Sodium Borate  Product Description Description This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.  Host Mouse Gene ID 4582 Gene Symbol MUC1 Species Human, Mouse Reactivity Notes Human and Mouse. Others not known.  Marker Epithelial Marker Specificity/Sensitivity This monoclonal antibody reacts with MUC1. The dominant epitope of this monoclonal antibody has not yet been determined. MUC1 is a large cell surface mucin glycoprotein expressed by most glandular and ductal epithelial cells and some hematopoietic cell lineages. It is expressed abundantly in lactating mammary glands and over expressed abundantly in lactating mammary glands and over expressed abundantly in lactating mammary glands and over expressed abundantly in lactating glands. The MUC1 gene contains seven exons and produces several different alternatively spliced variants. The major expressed from of MUC1 uses all seven exons and is a type 1 transmembrane protein with a large extracellular tandem repeat domain. The tandem repeat domain is highly O glycosylated and alterations in glycosylation have been shown in epithelial cancer cells. Antibody to EMA is useful as a pan-epithelial marker for detecting early metastatic loci of carcinoma in bone marrow or liver.  Immunogen  Human milk-fat globule membranes (HMFGM) (Uniprot: P15941)  Notes  DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.	Clone	MUC1/955
Conjugate DyLight 755  Purity Protein A or G purified  Buffer 50mM Sodium Borate  Product Description  Description This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.  Host Mouse  Gene ID 4582  Gene Symbol MUC1  Species Human, Mouse  Reactivity Notes Human and Mouse. Others not known.  Marker Epithelial Marker  Specificity/Sensitivity This monoclonal antibody reacts with MUC1. The dominant epitope of this monoclonal antibody has not yet been determined. MUC1 is a large cell surface mucin glycoprotein expressed by most glandular and ductal epithelial cells and some hematopoietic cell lineages. It is expressed on most secretory epithelium, including mammary gland and some hematopoietic cells. It is expressed abundantly in lactating mammary glands and over expressed abundantly in lactating mammary glands and over expressed abundantly in east carcinomas and metastases. Transgenic MUC1 has been shown to associate with all four o-erbb receptors and localize with o-erbb1 (EGFR) in lactating glands. The MUC1 gene contains seven exons and produces several different alternatively spliced variants. The major expressed form of MUC1 uses all seven exons and is a type 1 transmembrane protein with a large extracellular tandem repeat domain. The tandem repeat domain is highly O glycosylated and alterations in glycosylation have been shown in epithelial cancer cells. Antibody to EMA is useful as a pan-epithelial marker for detecting early metastatic loci of carcinoma in bone marrow or liver.  Immunogen Human milk-fat globule membranes (HMFGM) (Uniprot: P15941)	Preservative	0.05% Sodium Azide
Purity Protein A or G purified Buffer 50mM Sodium Borate  Product Description  This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.  Host Mouse  Gene ID 4582  Gene Symbol MUC1  Species Human, Mouse  Reactivity Notes Human and Mouse. Others not known.  Marker Epithelial Marker  Specificity/Sensitivity  This monoclonal antibody reacts with MUC1. The dominant epitope of this monoclonal antibody has not yet been determined. MUC1 is a large cell surface mucin glycoprotein expressed by most glandular and ductal epithelial cells and some hematopoietic cell lineages. It is expressed on most secretory epithelium, including mammary gland and some hematopoietic cells, It is expressed abundantly in lactating mammary glands and over expressed abundantly in 90% breast carcinomas and metastases. Transgenic MUC1 has been shown to associate with all four c-orbB receptors and localize with c-erbB1 (EGFR) in lactating glands. The MUC1 gene contains seven exons and produces several different alternatively spliced variants. The major expressed form of MUC1 uses all seven exons and is a type 1 transmembrane protein with a large extracellular tandem repeat domain. The tandem repeat domain is highly O glycosylated and alterations in glycosylation have been shown in epithelial cancer cells. Antibody to EMA is useful as a pan-epithelial marker for detecting early metastatic loci of carcinoma in bone marrow or liver.  Immunogen  Human milk-fat globule membranes (HMFGM) (Uniprot: P15941)  Notes  DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.	Isotype	IgG1 Kappa
Buffer 50mM Sodium Borate  Product Description  This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.  Host Mouse  Gene ID 4582  Gene Symbol MUC1  Species Human, Mouse  Reactivity Notes Human and Mouse. Others not known.  Marker Epithelial Marker  Specificity/Sensitivity This monoclonal antibody reacts with MUC1. The dominant epitope of this monoclonal antibody has not yet been determined. MUC1 is a large cell surface mucin glycoprotein expressed by most glandular and ductal epithelial cells and some hematopoietic cells. It is expressed abundantly in lactating mammary glands and over expressed abundantly in 90% breast carcinomas and metastases. Transgenic MUC1 has been shown to associate with all four c-erbB receptors and localize with c-erbB1 (EGFR) in lactating glands. The MUC1 gene contains seven exons and produces several different alternatively spliced variants. The major expressed form of MUC1 uses all seven exons and is a type 1 transmembrane protein with a large extracellular tandem repeat domain. The tandem repeat domain is highly O glycosylated and alterations in glycosylation have been shown in epithelial cancer cells. Antibody to EMA is useful as a pan-epithelial marker for detecting early metastatic loci of carcinoma in bone marrow or liver.  Immunogen  Human milk-fat globule membranes (HMFGM) (Uniprot: P15941)  Notes  DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.	Conjugate	DyLight 755
Product Description  This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.  Host Mouse  Gene ID 4582  Gene Symbol MUC1  Species Human, Mouse  Reactivity Notes Human and Mouse. Others not known.  Marker Epithelial Marker  Specificity/Sensitivity This monoclonal antibody reacts with MUC1. The dominant epitope of this monoclonal antibody has not yet been determined. MUC1 is a large cell surface mucin glycoprotein expressed by most glandular and ductal epithelial cells and some hematopoietic cell lineages, it is expressed on most secretory epithelium, including mammary gland and some hematopoietic cells. It is expressed abundantly in lactating mammary glands and over expressed abundantly in 90% breast carcinomas and metastases. Transgenic MUC1 has been shown to associate with all four c-erbB receptors and localize with c-erbB1 (EGFR) in lactating glands. The MUC1 gene contains seven exons and produces several different alternatively spliced variants. The major expressed form of MUC1 uses all seven exons and is a type 1 transmembrane protein with a large extracellular tandem repeat domain. The tandem repeat domain is highly O glycosylated and alterations in glycosylation have been shown in epithelial cancer cells. Antibody to EMA is useful as a pan-epithelial marker for detecting early metastatic loci of carcinoma in bone marrow or liver.  Immunogen Human milk-fat globule membranes (HMFGM) (Uniprot: P15941)  Notes  DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.	Purity	Protein A or G purified
This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.  Mouse  Gene ID	Buffer	50mM Sodium Borate
Volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.  Mouse  Gene ID 4582  Gene Symbol MUC1  Species Human, Mouse  Reactivity Notes Human and Mouse. Others not known.  Marker Epithelial Marker  Specificity/Sensitivity  This monoclonal antibody reacts with MUC1. The dominant epitope of this monoclonal antibody has not yet been determined. MUC1 is a large cell surface mucin glycoprotein expressed by most glandular and ductal epithelial cells and some hematopoietic cell lineages. It is expressed on most secretory epithelium, including mammary glands and some hematopoietic cells. It is expressed abundantly in lactating mammary glands and over expressed abundantly in 90% breast carcinomas and metastases. Transgenic MUC1 has been shown to associate with all four c-erbB receptors and localize with c-erbB1 (EGFR) in lactating glands. The MUC1 gene contains seven exons and produces several different alternatively spliced variants. The major expressed form of MUC1 uses all seven exons and is a type 1 transmembrane protein with a large extracellular tandem repeat domain is highly O glycosylated and alterations in glycosylation have been shown in epithelial cancer cells. Antibody to EMA is useful as a pan-epithelial marker for detecting early metastatic loci of carcinoma in bone marrow or liver.  Immunogen  Human milk-fat globule membranes (HMFGM) (Uniprot: P15941)  Notes  DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.	<b>Product Description</b>	
Gene Symbol  MUC1  Species  Human, Mouse  Reactivity Notes  Human and Mouse. Others not known.  Marker  Specificity/Sensitivity  This monoclonal antibody reacts with MUC1. The dominant epitope of this monoclonal antibody has not yet been determined. MUC1 is a large cell surface mucin glycoprotein expressed by most glandular and ductal epithelial cells and some hematopoietic cell lineages. It is expressed on most secretory epithelium, including mammary gland and some hematopoietic cells. It is expressed abundantly in lactating mammary glands and over expressed abundantly in 90% breast carcinomas and metastases. Transgenic MUC1 has been shown to associate with all four c-erbB receptors and localize with c-erbB1 (EGFR) in lactating glands. The MUC1 gene contains seven exons and produces several different alternatively spliced variants. The major expressed form of MUC1 uses all seven exons and is a type 1 transmembrane protein with a large extracellular tandem repeat domain. The tandem repeat domain is highly O glycosylated and alterations in glycosylation have been shown in epithelial cancer cells. Antibody to EMA is useful as a pan-epithelial marker for detecting early metastatic loci of carcinoma in bone marrow or liver.  Immunogen  Human milk-fat globule membranes (HMFGM) (Uniprot: P15941)  Notes  DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.	Description	volume of this product. The volume will be greater than or equal to the unit size
Species	Host	Mouse
Reactivity Notes  Human and Mouse. Others not known.  Epithelial Marker  Specificity/Sensitivity  This monoclonal antibody reacts with MUC1. The dominant epitope of this monoclonal antibody has not yet been determined. MUC1 is a large cell surface mucin glycoprotein expressed by most glandular and ductal epithelial cells and some hematopoietic cell lineages. It is expressed on most secretory epithelium, including mammary gland and some hematopoietic cells. It is expressed abundantly in lactating mammary glands and over expressed abundantly in 90% breast carcinomas and metastases. Transgenic MUC1 has been shown to associate with all four c-erbB receptors and localize with c-erbB1 (EGFR) in lactating glands. The MUC1 gene contains seven exons and produces several different alternatively spliced variants. The major expressed form of MUC1 uses all seven exons and is a type 1 transmembrane protein with a large extracellular tandem repeat domain. The tandem repeat domain is highly O glycosylated and alterations in glycosylation have been shown in epithelial cancer cells. Antibody to EMA is useful as a pan-epithelial marker for detecting early metastatic loci of carcinoma in bone marrow or liver.  Immunogen  Human milk-fat globule membranes (HMFGM) (Uniprot: P15941)  Notes  DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.	Gene ID	4582
Reactivity Notes  Human and Mouse. Others not known.  Epithelial Marker  Specificity/Sensitivity  This monoclonal antibody reacts with MUC1. The dominant epitope of this monoclonal antibody has not yet been determined. MUC1 is a large cell surface mucin glycoprotein expressed by most glandular and ductal epithelial cells and some hematopoietic cell lineages. It is expressed on most secretory epithelium, including mammary gland and some hematopoietic cells. It is expressed abundantly in lactating mammary glands and over expressed abundantly in 90% breast carcinomas and metastases. Transgenic MUC1 has been shown to associate with all four c-erbB receptors and localize with c-erbB1 (EGFR) in lactating glands. The MUC1 gene contains seven exons and produces several different alternatively spliced variants. The major expressed form of MUC1 uses all seven exons and is a type 1 transmembrane protein with a large extracellular tandem repeat domain. The tandem repeat domain is highly O glycosylated and alterations in glycosylation have been shown in epithelial cancer cells. Antibody to EMA is useful as a pan-epithelial marker for detecting early metastatic loci of carcinoma in bone marrow or liver.  Immunogen  Human milk-fat globule membranes (HMFGM) (Uniprot: P15941)  Notes  DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.	Gene Symbol	MUC1
MarkerEpithelial MarkerSpecificity/SensitivityThis monoclonal antibody reacts with MUC1. The dominant epitope of this monoclonal antibody has not yet been determined. MUC1 is a large cell surface mucin glycoprotein expressed by most glandular and ductal epithelial cells and some hematopoietic cell lineages. It is expressed on most secretory epithelium, including mammary gland and some hematopoietic cells. It is expressed abundantly in lactating mammary glands and over expressed abundantly in 90% breast carcinomas and metastases. Transgenic MUC1 has been shown to associate with all four c-erbB receptors and localize with c-erbB1 (EGFR) in lactating glands. The MUC1 gene contains seven exons and produces several different alternatively spliced variants. The major expressed form of MUC1 uses all seven exons and is a type 1 transmembrane protein with a large extracellular tandem repeat domain. The tandem repeat domain is highly O glycosylated and alterations in glycosylation have been shown in epithelial cancer cells. Antibody to EMA is useful as a pan-epithelial marker for detecting early metastatic loci of carcinoma in bone marrow or liver.ImmunogenHuman milk-fat globule membranes (HMFGM) (Uniprot: P15941)NotesDyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.	Species	Human, Mouse
Specificity/Sensitivity  This monoclonal antibody reacts with MUC1. The dominant epitope of this monoclonal antibody has not yet been determined. MUC1 is a large cell surface mucin glycoprotein expressed by most glandular and ductal epithelial cells and some hematopoietic cell lineages. It is expressed on most secretory epithelium, including mammary gland and some hematopoietic cells. It is expressed abundantly in lactating mammary glands and over expressed abundantly in 90% breast carcinomas and metastases. Transgenic MUC1 has been shown to associate with all four c-erbB receptors and localize with c-erbB1 (EGFR) in lactating glands. The MUC1 gene contains seven exons and produces several different alternatively spliced variants. The major expressed form of MUC1 uses all seven exons and is a type 1 transmembrane protein with a large extracellular tandem repeat domain. The tandem repeat domain is highly O glycosylated and alterations in glycosylation have been shown in epithelial cancer cells. Antibody to EMA is useful as a pan-epithelial marker for detecting early metastatic loci of carcinoma in bone marrow or liver.  Immunogen  Human milk-fat globule membranes (HMFGM) (Uniprot: P15941)  Notes  DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.	Reactivity Notes	Human and Mouse. Others not known.
monoclonal antibody has not yet been determined. MUC1 is a large cell surface mucin glycoprotein expressed by most glandular and ductal epithelial cells and some hematopoietic cell lineages. It is expressed on most secretory epithelium, including mammary gland and some hematopoietic cells. It is expressed abundantly in lactating mammary glands and over expressed abundantly in 90% breast carcinomas and metastases. Transgenic MUC1 has been shown to associate with all four c-erbB receptors and localize with c-erbB1 (EGFR) in lactating glands. The MUC1 gene contains seven exons and produces several different alternatively spliced variants. The major expressed form of MUC1 uses all seven exons and is a type 1 transmembrane protein with a large extracellular tandem repeat domain. The tandem repeat domain is highly O glycosylated and alterations in glycosylation have been shown in epithelial cancer cells. Antibody to EMA is useful as a pan-epithelial marker for detecting early metastatic loci of carcinoma in bone marrow or liver.  Immunogen  Human milk-fat globule membranes (HMFGM) (Uniprot: P15941)  Notes  DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.	Marker	Epithelial Marker
Notes  DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.	Specificity/Sensitivity	monoclonal antibody has not yet been determined. MUC1 is a large cell surface mucin glycoprotein expressed by most glandular and ductal epithelial cells and some hematopoietic cell lineages. It is expressed on most secretory epithelium, including mammary gland and some hematopoietic cells. It is expressed abundantly in lactating mammary glands and over expressed abundantly in 90% breast carcinomas and metastases. Transgenic MUC1 has been shown to associate with all four c-erbB receptors and localize with c-erbB1 (EGFR) in lactating glands. The MUC1 gene contains seven exons and produces several different alternatively spliced variants. The major expressed form of MUC1 uses all seven exons and is a type 1 transmembrane protein with a large extracellular tandem repeat domain. The tandem repeat domain is highly O glycosylated and alterations in glycosylation have been shown in epithelial cancer cells. Antibody to EMA is useful as a pan-epithelial marker for detecting early metastatic loci of
DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.	Immunogen	Human milk-fat globule membranes (HMFGM) (Uniprot: P15941)

# **Product Application Details**

**Applications** 

Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Immunofluorescence



Recommended Dilutions	Western Blot, Flow Cytometry, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunofluorescence, CyTOF-ready
Application Notes	Optimal dilution of this antibody should be experimentally determined.





# 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@bio-

techne.com

Orders: nb-customerservice@bio-techne.com

General: novus@novusbio.com

## **Products Related to NBP2-47884IR**

NBP1-43319IR-0.5ml Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) [DyLight 755]

H00004582-Q01-10ug Recombinant Human MUC1 GST (N-Term) Protein

1129-ER-050 ErbB2/Her2 [Unconjugated]

10332-MU-050 MUC1 [Unconjugated]

#### 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/NBP2-47884IR

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

