

Product Datasheet

MUC1 Antibody (139H2)

NBP2-44666-0.1mg

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/NBP2-44666

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/NBP2-44666



NBP2-44666-0.1mg

MUC1 Antibody (139H2)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	139H2
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA

Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by 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. (NBP2-47888) 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, Mouse
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)

Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunofluorescence
Recommended Dilutions	Western Blot 1-2 ug/ml, Flow Cytometry 0.25-0.5 ug/million cells, ELISA 2-5 ug/ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 0.5-1 ug/ml, Immunofluorescence 1 - 2 ug/ml

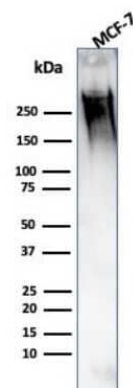


Application Notes

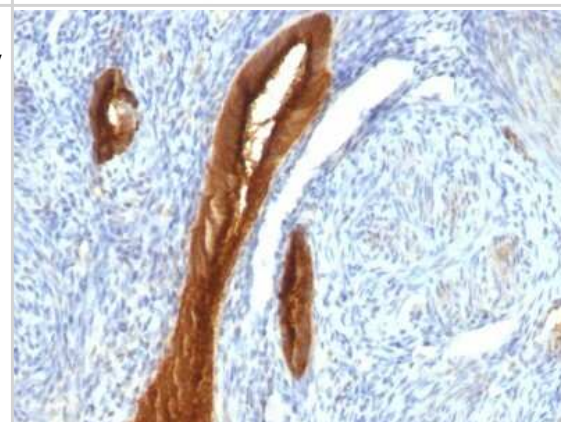
ELISA: For coating use Ab at 2-5ug/ml, order Ab without BSA.
 Immunohistochemistry (Formalin-fixed): 0.5-1ug/ml for 30 minutes at RT.
 Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes.
 Optimal dilution for a specific application should be determined.

Images

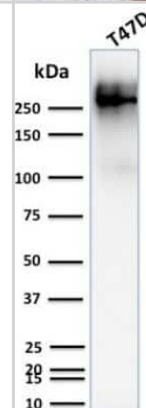
Western Blot: MUC1 Antibody (139H2) [NBP2-44666] - Western Blot Analysis of human MCF-7 cell lysate using MUC1 antibody (139H2).



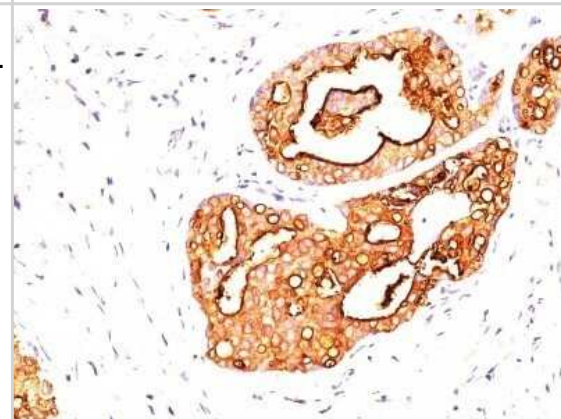
Immunohistochemistry-Paraffin: MUC1 Antibody (139H2) [NBP2-44666] - Human Endometrial Carcinoma stained with EMA Monoclonal Antibody (139H2).



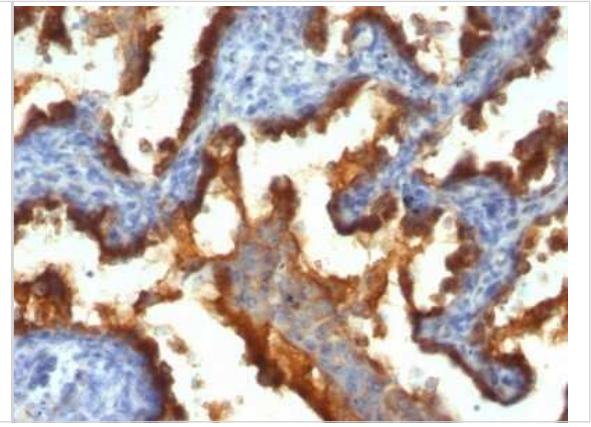
Western Blot: MUC1 Antibody (139H2) [NBP2-44666] - Western Blot Analysis of human T47D cell lysate using MUC1 Antibody (139H2).



Immunohistochemistry-Paraffin: MUC1 Antibody (139H2) [NBP2-44666] - Human Breast Cancer stained with EMA Monoclonal Antibody (139H2).



Immunohistochemistry-Paraffin: MUC1 Antibody (139H2) [NBP2-44666]
- Human Lung Cancer stained with EMA Monoclonal Antibody (139H2).





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 NBP2-44666-0.1mg

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/NBP2-44666

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

