

Product Datasheet

MUC1 Antibody (MUC1/955) [Janelia Fluor® 635] NBP2-47884JF635

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/NBP2-47884JF635

Updated 12/12/2024 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/NBP2-47884JF635



NBP2-47884JF635

MUC1 Antibody (MUC1/955) [Janelia Fluor® 635]

| Product Information | |
|------------------------------------|--|
| 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 | Janelia Fluor 635 |
| Purity | Protein A or G purified |
| Buffer | 50mM Sodium Borate |
| Product Description | |
| 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 | Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus. |
| 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

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/NBP2-47884JF635

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

