

# Product Datasheet

## MUC1 Antibody (SM3) - Azide and BSA Free NBP2-80859

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-80859****MUC1 Antibody (SM3) - Azide and BSA Free**

| <b>Product Information</b> |  |
|----------------------------|--|
| <b>Unit Size</b>           | 0.1 ml   |
| <b>Concentration</b>       | 1 mg/ml  |
| <b>Storage</b>             | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| <b>Clonality</b>           | Monoclonal   |
| <b>Clone</b>               | SM3  |
| <b>Preservative</b>        | No Preservative  |
| <b>Isotype</b>             | IgG2a Kappa  |
| <b>Purity</b>              | Protein G purified   |
| <b>Buffer</b>              | PBS  |

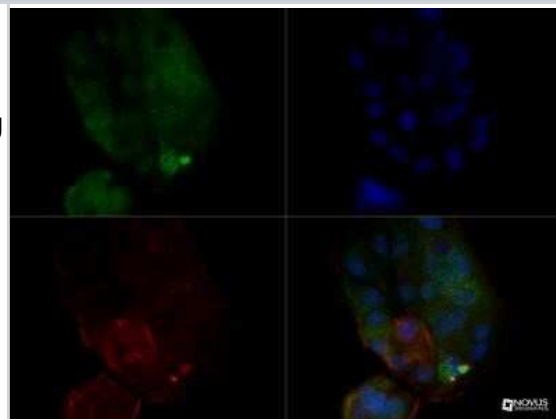
| <b>Product Description</b> |   |
|----------------------------|---|
| <b>Description</b>         | Novus Biologicals Mouse MUC1 Antibody (SM3) - Azide and BSA Free (NB120-22711) is a monoclonal antibody validated for use in IHC, ELISA, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| <b>Host</b>                | Mouse   |
| <b>Gene ID</b>             | 4582  |
| <b>Gene Symbol</b>         | MUC1  |
| <b>Species</b>             | Human, Mouse  |
| <b>Reactivity Notes</b>    | Mouse reactivity reported in scientific literature (PMID: 1372533) No record of testing in other species.   |
| <b>Immunogen</b>           | Hydrogen fluoride deglycosylated milk mucin.  |

| <b>Product Application Details</b> |   |
|------------------------------------|---|
| <b>Applications</b>                | Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, CyTOF-ready  |
| <b>Recommended Dilutions</b>       | Flow Cytometry reported in multiple pieces of scientific literature, ELISA reported in multiple pieces of scientific literature, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 10 ug/ml, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500, CyTOF-ready |
| <b>Application Notes</b>           | IHC-Fr and IHC-P: Use at an assay dependent dilution.   |

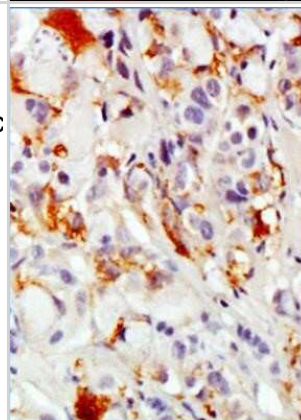


## Images

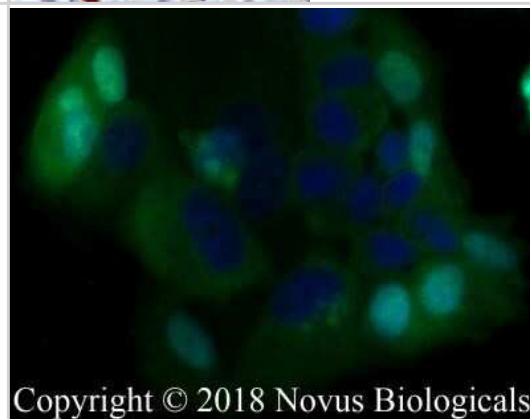
Immunocytochemistry/Immunofluorescence: MUC1 Antibody (SM3) - Azide and BSA Free [NBP2-80859] - MUC-1 antibody was tested in MCF7 cells at 10 ug/ml using a Dylight 488 conjugated secondary antibody (Green). Actin (Red) and DNA (Blue) were counterstained using Phalloidin 568 and DAPI. Image from the standard format of this antibody.



Immunohistochemistry-Paraffin: MUC1 Antibody (SM3) - Azide and BSA Free [NBP2-80859] - IHC analysis of formalin fixed paraffin embedded tissue section of human breast cancer xenograft using MUC-1 antibody clone SM3 at 1:10 dilution. The xenograft section depicted a very specific and intense signal in the periphery of the cancer cells. The n

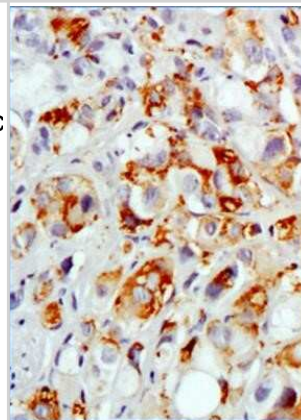


Immunocytochemistry/Immunofluorescence: MUC1 Antibody (SM3) - Azide and BSA Free [NBP2-80859] - MCF7 cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X PBS + 0.05% Triton-X100. The cells were incubated with anti-MUC1 [SM3] at 5 ug/ml overnight at 4C and detected with an anti-mouse IgG Dylight 488 (Green) at a 1:500 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective. Image from the standard format of this antibody.



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Immunohistochemistry-Paraffin: MUC1 Antibody (SM3) - Azide and BSA Free [NBP2-80859] - IHC analysis of formalin fixed paraffin embedded tissue section of human breast cancer xenograft using MUC-1 antibody clone SM3 at 1:10 dilution. The xenograft section depicted a very specific and intense signal in the periphery of the cancer cells. The n





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### **Products Related to NBP2-80859**

|                    |   |
|--------------------|---|
| HAF007             | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B            | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-96981-0.5mg   | Mouse IgG2a Kappa Isotype Control (M2AK)                |
| 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.

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