

# 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**

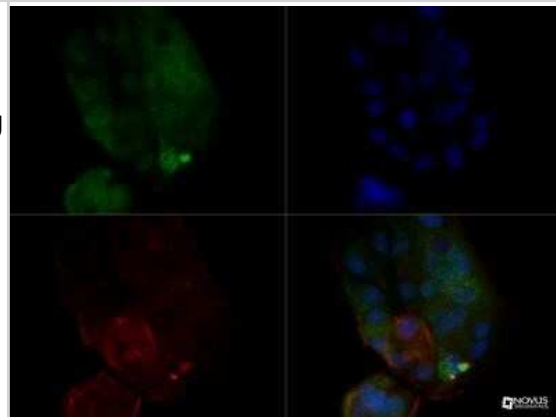
MUC1 Antibody (SM3) - Azide and BSA Free

<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>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>	ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, 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.

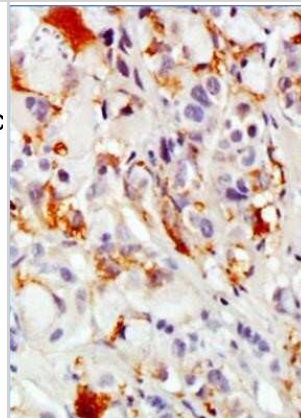


## Images

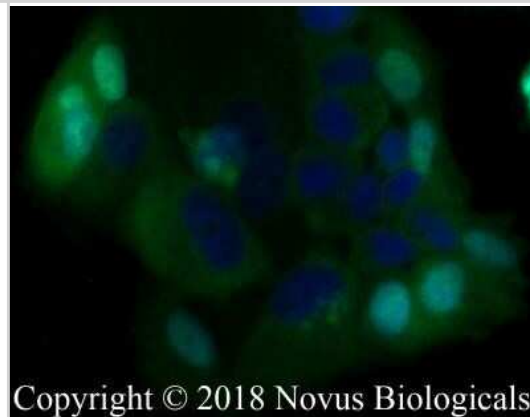
Immunocytochemistry/Immunofluorescence: MUC1 Antibody (SM3) - Azide and BSA Free [NBP2-80859] - MUC-1 antibody was tested in MCF7 cells at 10 ug/ml using a Dylight 488 conjugated secondary antibody (Green). Actin (Red) and DNA (Blue) were counterstained using Phalloidin 568 and DAPI. Image from the standard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

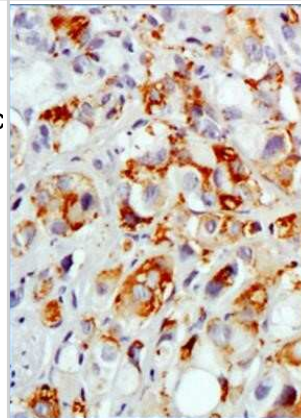


Immunocytochemistry/Immunofluorescence: MUC1 Antibody (SM3) - Azide and BSA Free [NBP2-80859] - MCF7 cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X PBS + 0.05% Triton-X100. The cells were incubated with anti-MUC1 [SM3] at 5 ug/ml overnight at 4C and detected 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**

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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

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### **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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