

# Product Datasheet

## MUC1 Antibody (M9E7) NB120-8322

Unit Size: 0.2 mg

Store at 4C. Do not freeze.

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**NB120-8322****MUC1 Antibody (M9E7)**

<b>Product Information</b>	
<b>Unit Size</b>	0.2 mg
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	M9E7
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS (pH 7.4)
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	4582
<b>Gene Symbol</b>	MUC1
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	Binds with high efficiency to different regions of GVTSPDTRPAPGSTAPPAHGVTSA synthetic peptide spanning the one repeat of VNTR extracellular portion of MUC1 molecule. Reacts with VNTR5 and VNTR20 recombinant unglycosylated fragments of MUC1 protein and underglycosylated MUC1 prepared from tumor fluids (T47D cells) or as a result of chemical treatment (NaJO <sub>4</sub> ) of human milk MUC1. Does not recognize natural MUC1 protein isolated from human milk by affinity purification on carbohydrate epitope specific MAbs and belong to MAb cluster 1-4 according to ISOMB TD-4 classification. No cross-reactivity with egg white avidin.
<b>Immunogen</b>	Hybridoma clone has been derived from hybridization of X63-Ag8-653 myeloma cells with spleen cells of Balb/c mice immunized with: recombinant (E. coli) VNTR20 (tandem repeat in MUC1 core) polypeptide.
<b>Product Application Details</b>	
<b>Applications</b>	ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
<b>Recommended Dilutions</b>	ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Frozen 1:10-1:500
<b>Application Notes</b>	Immunohistochemical and immunofluorescent detection of neoplastic breast epithelium. Construction of immunometric assay for MUC determination. ELISA tests for detection and measurements of unglycosylated and under glycosylated tumor-associated MUC1 mucins in human serum. It may be used as a solid-phase reagent for MUC1 isoforms capture via:(a) using an enzyme-conjugated version of this antibody (detection of unglycosylated MUC1), or(b)with enzyme-conjugated ab8323 specific to carbohydrate portion of MUC1 (detection of underglycosylated MUC1).





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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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