

# Product Datasheet

## MUC1 Antibody (M9E7) [FITC]

### NB120-8322F

Unit Size: 0.2 ml

Store at 4C in the dark.

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Updated 9/10/2023 v.20.1

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**NB120-8322F**

MUC1 Antibody (M9E7) [FITC]

| Product Information         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unit Size                   | 0.2 ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Concentration               | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Storage                     | Store at 4C in the dark.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Clonality                   | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Clone                       | M9E7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Preservative                | 0.05% Sodium Azide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Isotype                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Conjugate                   | FITC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Purity                      | Protein A purified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Buffer                      | PBS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Product Description         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Host                        | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Gene ID                     | 4582                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Gene Symbol                 | MUC1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Species                     | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Specificity/Sensitivity     | Binds with high efficiency to different regions of GVT SAPDTRPAPGSTAPPAHGVTSA 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. |
| Immunogen                   | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Notes                       | This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Product Application Details |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Applications                | ELISA, Immunohistochemistry, Immunohistochemistry-Frozen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Recommended Dilutions       | ELISA, Immunohistochemistry, Immunohistochemistry-Frozen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |





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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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