

# Product Datasheet

## MUC1 Antibody (HMPV) [DyLight 488] NBP2-47883G

Unit Size: 0.1 ml

Store at 4C in the dark.

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Updated 10/23/2024 v.20.1

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**NBP2-47883G**

MUC1 Antibody (HMPV) [DyLight 488]

| 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               | HMPV  |
| Preservative        | 0.05% Sodium Azide  |
| Isotype             | IgG1 Kappa  |
| Conjugate           | DyLight 488   |
| Purity              | Protein A or G purified   |
| Buffer              | 50mM Sodium Borate  |

| Product Description     |  |
|-------------------------|--|
| Description             | 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.  |
| Host                    | Mouse  |
| Gene ID                 | 4582   |
| Gene Symbol             | MUC1   |
| Species                 | Human  |
| Reactivity Notes        | Others not known.  |
| Marker                  | Epithelial Marker  |
| Specificity/Sensitivity | This monoclonal antibody recognizes full-length MUC1 in a glycosylation-independent manner and can bind to the fully glycosylated protein. The dominant epitope of this monoclonal antibody is APDTR in the VNTR region. It reacts with the core peptide of the MUC1 protein, which is a member of a family of mucin glycoproteins that are characterized by high carbohydrate content, O-linked oligosaccharides, high molecular weight (200kDa) and an amino acid composition rich in serine, threonine, proline and glycine. The core protein contains a domain of 20 amino-acid tandem repeats that functions as multiple epitopes for the monoclonal antibody. Incomplete glycosylation of some tumor-associated mucins may lead to variable unmasking of the multiple peptide epitopes leading to the observed differences in staining intensity between normal and malignant tissues. This monoclonal antibody reacts with both normal and malignant epithelia of various tissues including breast and colon. |
| Immunogen               | Human breast cancer cell line ZR-75 cells  |
| Notes                   | DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.  |

| Product Application Details |   |
|-----------------------------|---|
| Applications                | Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Immunofluorescence |



|                              |  |
|------------------------------|--|
| <b>Recommended Dilutions</b> | Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin, Immunofluorescence, CyTOF-ready |
| <b>Application Notes</b>     | Optimal dilution of this antibody should be experimentally determined.   |





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### **Products Related to NBP2-47883G**

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|                    |   |
|--------------------|---|
| NBP1-43319G-0.5ml  | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) [DyLight 488] |
| H00004582-Q01-10ug | Recombinant Human MUC1 GST (N-Term) Protein                 |
| 1129-ER-050        | ErbB2/Her2 [Unconjugated]                                   |
| 10332-MU-050       | MUC1 [Unconjugated]   |

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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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