

# Product Datasheet

## **MUC1 Antibody (HMPV) - IHC-Prediluted NBP2-48359**

Unit Size: 7 ml

Store at 4C.

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**NBP2-48359****MUC1 Antibody (HMPV) - IHC-Prediluted****Product Information**

|                      |   |
|----------------------|---|
| <b>Unit Size</b>     | 7 ml  |
| <b>Concentration</b> | Please see the vial label for concentration. If unlisted please contact technical services. |
| <b>Storage</b>       | Store at 4C.  |
| <b>Clonality</b>     | Monoclonal  |
| <b>Clone</b>         | HMPV  |
| <b>Preservative</b>  | 0.05% Sodium Azide  |
| <b>Isotype</b>       | IgG1 Kappa  |
| <b>Purity</b>        | Protein A or G purified   |
| <b>Buffer</b>        | 10 mM PBS with 0.05% BSA  |

**Product Description**

|                                |  |
|--------------------------------|--|
| <b>Description</b>             | The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining.  |
| <b>Host</b>                    | Mouse  |
| <b>Gene ID</b>                 | 4582   |
| <b>Gene Symbol</b>             | MUC1   |
| <b>Species</b>                 | Human  |
| <b>Reactivity Notes</b>        | Others not known.  |
| <b>Marker</b>                  | Epithelial Marker  |
| <b>Specificity/Sensitivity</b> | 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. |
| <b>Immunogen</b>               | Human breast cancer cell line ZR-75 cells  |

**Product Application Details**

|                              |   |
|------------------------------|---|
| <b>Applications</b>          | Immunohistochemistry, Immunohistochemistry-Paraffin   |
| <b>Recommended Dilutions</b> | Immunohistochemistry, Immunohistochemistry-Paraffin   |
| <b>Application Notes</b>     | Immunohistology (Formalin-paraffin): 0.5-1.0ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined. |

## Images

Immunohistochemistry-Paraffin: MUC1 Antibody (HMPV) - IHC-Prediluted [NBP2-48359] - Formalin-fixed, paraffin-embedded human Ovarian Carcinoma stained with MUC-1 / CA15-3 / EMA Mouse Monoclonal Antibody (HMPV).





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## Products Related to NBP2-48359

|                    |   |
|--------------------|---|
| HAF007             | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B            | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43319-0.5mg   | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)           |
| 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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