

# Product Datasheet

## MUC1 Antibody (GP1.4) [PE] NBP2-33174PE

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-33174PE**

MUC1 Antibody (GP1.4) [PE]

**Product Information**

|                      |   |
|----------------------|---|
| <b>Unit Size</b>     | 0.1 ml  |
| <b>Concentration</b> | Please see the vial label for concentration. If unlisted please contact technical services. |
| <b>Storage</b>       | Store at 4C in the dark.  |
| <b>Clonality</b>     | Monoclonal  |
| <b>Clone</b>         | GP1.4   |
| <b>Preservative</b>  | 0.05% Sodium Azide  |
| <b>Isotype</b>       | IgG1 Kappa  |
| <b>Conjugate</b>     | PE  |
| <b>Purity</b>        | Protein A or G purified   |
| <b>Buffer</b>        | PBS   |

**Product Description**

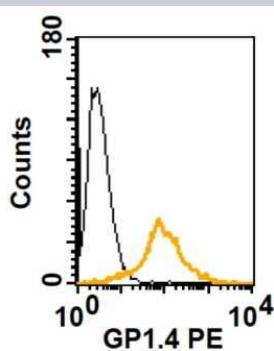
|                                |  |
|--------------------------------|--|
| <b>Description</b>             | This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.  |
| <b>Host</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> | In Western blotting, it recognizes proteins in MW range of 265-400kDa, identified as different glycoforms of EMA. This monoclonal antibody reacts with the DTRP epitope in the tandem repeats. The alpha subunit has cell adhesive properties. It can act both as an adhesion and an anti-adhesion protein. EMA may provide a protective layer on epithelial cells against bacterial and enzyme attack. The beta subunit contains a C-terminal domain, which is involved in cell signaling, through phosphorylations and protein-protein interactions. In immunohistochemical assays, it superbly stains routine formalin/paraffin carcinoma tissues. Antibody to EMA is useful as a pan-epithelial marker for detecting early metastatic loci of carcinoma in bone marrow or liver. |
| <b>Immunogen</b>               | Human milk fat globule membranes (Uniprot: P15941 )  |

**Product Application Details**

|                              |  |
|------------------------------|--|
| <b>Applications</b>          | Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin |
| <b>Recommended Dilutions</b> | Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin |

## Images

Flow Cytometry: MUC-1 Antibody (GP1.4) [PE] [NBP2-33174PE] - Overlay histogram showing NHBE cells stained with anti-MUC1 antibody [PE] (yellow line).



Flow cytometry: Overlay histogram showing NHBE cells stained with MUC1 GP1.4 [PE] (yellow line).



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## Products Related to NBP2-33174PE

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

## 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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