

# Product Datasheet

## MUC2 Antibody (MLP/2970R) [Janelia Fluor® 669] NBP3-08240JF669

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-08240JF669**

MUC2 Antibody (MLP/2970R) [Janelia Fluor® 669]

| 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               | MLP/2970R   |
| Preservative        | 0.05% Sodium Azide  |
| Isotype             | IgG   |
| Conjugate           | Janelia Fluor 669   |
| Purity              | Protein A or G purified   |
| Buffer              | 50mM Sodium Borate  |

| Product Description     |   |
|-------------------------|---|
| Host                    | Rabbit  |
| Gene ID                 | 4583  |
| Gene Symbol             | MUC2  |
| Species                 | Human   |
| Specificity/Sensitivity | Recognizes a single glycoprotein of 520kDa, identified as mucin 2 (MUC2). This monoclonal antibody shows no cross-reaction with human milk fat globule membranes, MUC1, or MUC3. Its epitope has been defined as GTQTP (GlyThrGlnThrPro). Mucins are high molecular weight glycoproteins, which constitute the major component of the mucus layer that protects the gastric epithelium. MUC2 is specifically expressed in goblet cells of the small intestine in about 65% of colonic carcinomas and about 40% of gastric carcinomas. MUC2 is rarely expressed outside of the GI tract with the exceptions of mucinous carcinoma of breast and clear cell-type carcinomas of the ovary. |
| Immunogen               | Recombinant full-length human MUC2 protein (exact sequence is proprietary) (Uniprot: Q02817)  |
| Notes                   | Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.   |

| Product Application Details |  |
|-----------------------------|--|
| Applications                | Immunohistochemistry-Paraffin  |
| Recommended Dilutions       | Immunohistochemistry-Paraffin  |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined. |





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### **Products Related to NBP3-08240JF669**

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|            |                                     |
|------------|-------------------------------------|
| 210-TA-005 | TNF-alpha [Unconjugated]            |
| NBP2-76700 | Human MUC2 ELISA Kit (Colorimetric) |
| NB200-103  | p53 Antibody (PAb 240) - BSA Free   |
| AF231      | EGFR Antibody [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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