

# Product Datasheet

## MUC5AC Antibody (MUC5AC/7066R) [Alexa Fluor® 647] NBP3-14003AF647

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-14003AF647**

MUC5AC Antibody (MUC5AC/7066R) [Alexa Fluor® 647]

| <b>Product Information</b>     |   |
|--------------------------------|---|
| <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>                   | MUC5AC/7066R  |
| <b>Preservative</b>            | 0.05% Sodium Azide  |
| <b>Isotype</b>                 | IgG   |
| <b>Conjugate</b>               | Alexa Fluor 647   |
| <b>Purity</b>                  | Protein A or G purified   |
| <b>Buffer</b>                  | 50mM Sodium Borate  |
| <b>Product Description</b>     |   |
| <b>Host</b>                    | Rabbit  |
| <b>Gene ID</b>                 | 4586  |
| <b>Gene Symbol</b>             | MUC5AC  |
| <b>Species</b>                 | Human   |
| <b>Reactivity Notes</b>        | Predicted to react in Monkey, Bovine, Feline and Mouse.   |
| <b>Specificity/Sensitivity</b> | This monoclonal antibody recognizes the peptide core of gastric mucin M1 (recently identified as Mucin 5AC. Its epitope is located in the N-terminal cysteine rich part of the peptide core of MUC5AC. Its epitope is destroyed by beta-mercaptoethanol. This mucin is present in primary ovarian mucinous cancer but usually absent in colorectal adenocarcinoma, thus showing an expression pattern opposite to MUC2. Together with a panel of antibodies, Anti-MUC5AC may be useful for differential identification of primary mucinous ovarian tumors from colon adenocarcinoma metastatic to the ovary. MUC5AC antibodies may also be useful for identification of intestinal metaplasia as well as in the identification of pancreatic carcinoma and pre-cancerous changes vs. normal pancreas. |
| <b>Immunogen</b>               | Recombinant full-length human MUC5AC protein (Uniprot: P98088 )   |



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|--------------|--|
| <b>Notes</b> | <p>Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or <a href="mailto:outlicensing@lifetech.com">outlicensing@lifetech.com</a>. 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.</p> |
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| <b>Product Application Details</b> |  |
|------------------------------------|--|
| <b>Applications</b>                | Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin |
| <b>Recommended Dilutions</b>       | Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin |
| <b>Application Notes</b>           | Optimal dilution of this antibody should be experimentally determined.                               |



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### **Products Related to NBP3-14003AF647**

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|                    |   |
|--------------------|---|
| NBP2-24891AF647    | Rabbit IgG Isotype Control [Alexa Fluor® 647] |
| H00004586-Q01-10ug | Recombinant Human MUC5AC GST (N-Term) Protein |
| 236-EG-200         | EGF [Unconjugated]                            |
| NBP2-76703         | Human MUC5AC ELISA Kit (Colorimetric)         |

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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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