

# Product Datasheet

## MUC5AC Antibody (SPM297) [Alexa Fluor™ Plus 405] NBP2-34758AFP405

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-34758AFP405**

MUC5AC Antibody (SPM297) [Alexa Fluor™ Plus 405]

| <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>                   | SPM297   |
| <b>Preservative</b>            | 0.05% Sodium Azide   |
| <b>Isotype</b>                 | IgG1 Kappa   |
| <b>Conjugate</b>               | Alexa Fluor Plus 405   |
| <b>Purity</b>                  | Protein A or G purified  |
| <b>Buffer</b>                  | 50mM Sodium Borate   |
| <b>Product Description</b>     |  |
| <b>Host</b>                    | Mouse  |
| <b>Gene ID</b>                 | 4586   |
| <b>Gene Symbol</b>             | MUC5AC   |
| <b>Species</b>                 | Human, Mouse, Rat, Porcine, Chicken, Feline, Mammal, Monkey, Rabbit, Bovine (Negative)   |
| <b>Reactivity Notes</b>        | Hedgehog. Chicken. Does not react with Bovine.   |
| <b>Specificity/Sensitivity</b> | This monoclonal antibody recognizes the peptide core of gastric mucin M1 (1,000kDa) (recently identified as Mucin 5AC). Its epitope is destroyed by beta-mercaptoethanol and proteases but not by periodate treatment. Antibody to gastric mucin M1 reacts with the gastric epithelium of normal human gastrointestinal tract as well as with the precancerous and cancerous colon but not with normal adult colon. It also reacts with fetal colonic mucosa. Resurgence of gastric mucin reactivity during colonic carcinogenesis is due to re-expression of the peptide core of gastric (or fetal colonic) mucins.   |
| <b>Immunogen</b>               | M1 mucin preparation from the fluid of an ovarian mucinous cyst belonging to an O Le(a-b) patient  |
| <b>Notes</b>                   | This product is provided under an intellectual property license from Life Technologies Corporation. The transfer of this product is conditioned on the buyer using the purchased product solely in research conducted by the buyer, excluding contract research or any fee for service research, and the buyer must not (1) use this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; or (c) manufacturing or quality assurance or quality control, and/or (2) sell or transfer this product or its components for resale, whether or not 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, 5781 Van Allen Way, Carlsbad, CA 92008 USA or <a href="mailto:outlicensing@thermofisher.com">outlicensing@thermofisher.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. |



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





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### **Products Related to NBP2-34758AFP405**

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|                    |   |
|--------------------|---|
| H00004586-Q01-10ug | Recombinant Human MUC5AC GST (N-Term) Protein |
| 236-EG-200         | EGF [Unconjugated]                            |
| NBP2-76703         | Human MUC5AC ELISA Kit (Colorimetric)         |
| 210-TA-005         | TNF-alpha [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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