

# Product Datasheet

## MUC5AC Antibody (MUC5AC/917 + 45M1) [Biotin] NBP2-47696B

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-47696B**

MUC5AC Antibody (MUC5AC/917 + 45M1) [Biotin]

| 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                       | MUC5AC/917 + 45M1   |
| Preservative                | 0.05% Sodium Azide  |
| Isotype                     | IgG1 Kappa/IgG1 Kappa   |
| Conjugate                   | Biotin  |
| Purity                      | Protein A or G purified   |
| Buffer                      | PBS   |
| Product Description         |   |
| Host                        | Mouse   |
| Gene ID                     | 4586  |
| Gene Symbol                 | MUC5AC  |
| Species                     | Human   |
| Specificity/Sensitivity     | Mucin 5AC glycoprotein (MUC5AC) is a 641kDa glycoprotein belonging to the superfamily of mucins. Mucins are high molecular weight glycoproteins produced by epithelial cells and can be divided into two families; secretory mucins and membrane bound mucins. MUC5AC is a mucus-forming secreted mucin that is found in normal gastric and tracheo-bronchial mucosa, but absent from normal colon. MUC5AC expression 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. |
| Immunogen                   | Recombinant human MUC5AC protein (MUC5AC/917); M1 mucin preparation from the fluid of an ovarian mucinous cyst belonging to an O Le(a-b) patient (45M1) (Uniprot: P98088)   |
| Product Application Details |   |
| Applications                | Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Immunofluorescence   |
| Recommended Dilutions       | Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunofluorescence, CyTOF-ready   |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined.  |





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### **Products Related to NBP2-47696B**

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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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