

# Product Datasheet

## MUC5AC Antibody (45M1) [Allophycocyanin/Cy7] NBP2-32732APCCY7

Unit Size: 0.1 ml

Store at 4C in the dark. Do not freeze.

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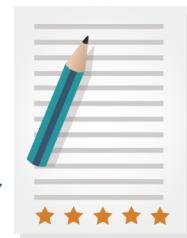
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**NBP2-32732APCCY7**

MUC5AC Antibody (45M1) [Allophycocyanin/Cy7]

| 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. Do not freeze.  |
| Clonality                   | Monoclonal   |
| Clone                       | 45M1   |
| Preservative                | 0.05% Sodium Azide   |
| Isotype                     | IgG1 Kappa   |
| Conjugate                   | Allophycocyanin/Cy7  |
| Purity                      | Protein A or G purified  |
| Buffer                      | PBS  |
| Product Description         |  |
| Host                        | Mouse  |
| Gene ID                     | 4586   |
| Gene Symbol                 | MUC5AC   |
| Species                     | Human, Mouse, Rat, Porcine, Chicken, Feline, Mammal, Monkey, Rabbit, Bovine (Negative)   |
| Reactivity Notes            | Hedgehog. Does not react with Bovine. <br/><br/>Use in Mouse reported in scientific literature (PMID:34260916)   |
| Specificity/Sensitivity     | This monoclonal antibody recognizes the peptide core of gastric mucin M1 (recently identified as Mucin 5AC).Its epitope is located in the C-terminal cysteine rich part of the peptide core of MUC5AC. Its epitope is destroyed by beta-mercaptoethanol but not by periodate treatment. 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. |
| Immunogen                   | M1 mucin preparation from the fluid of an ovarian mucinous cyst belonging to an O Le(a-b) patient  |
| Product Application Details |  |
| Applications                | Western Blot, Dot Blot, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, CyTOF-ready   |
| Recommended Dilutions       | Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Dot Blot, Flow (Intracellular), CyTOF-ready   |



**Application Notes**

Use in Dot Blot reported in scientific literature (PMID: 31374872). Optimal dilution of this antibody should be experimentally determined. For optimal results using our Tandem dyes, please avoid prolonged exposure to light or extreme temperature fluctuations. These can lead to irreversible degradation or decoupling. When staining intracellular targets, specific attention to the fixation and permeabilization steps in your flow protocol may be required. Please contact our technical support team at [technical@novusbio.com](mailto:technical@novusbio.com) if you have any questions.





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### **Products Related to NBP2-32732APCCY7**

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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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