

# Product Datasheet

## **TAG-72 Antibody** **NBP2-33128-0.2mg**

Unit Size: 0.2 mg

Store at 4C. Do not freeze.

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**NBP2-33128-0.2mg**

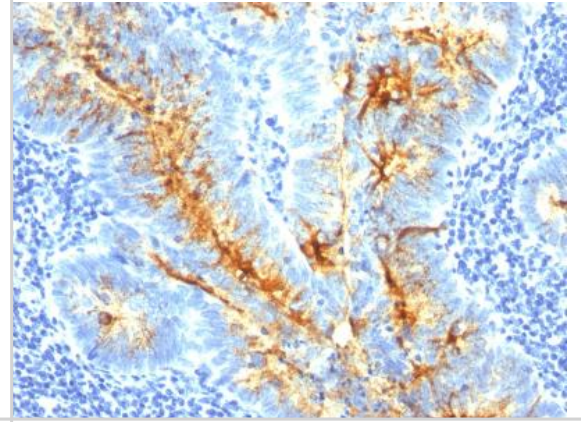
TAG-72 Antibody (CC49) [Azide Free]

| <b>Product Information</b>         |   |
|------------------------------------|---|
| <b>Unit Size</b>                   | 0.2 mg  |
| <b>Concentration</b>               | Please see the vial label for concentration. If unlisted please contact technical services.   |
| <b>Storage</b>                     | Store at 4C. Do not freeze.   |
| <b>Clonality</b>                   | Monoclonal  |
| <b>Clone</b>                       | CC49  |
| <b>Preservative</b>                | No Preservative   |
| <b>Isotype</b>                     | IgG1 Kappa  |
| <b>Conjugate</b>                   | Azide Free  |
| <b>Purity</b>                      | Protein A purified  |
| <b>Buffer</b>                      | 10mM PBS. Does not contain BSA.   |
| <b>Product Description</b>         |   |
| <b>Host</b>                        | Mouse   |
| <b>Species</b>                     | Human, Rat, Bovine, Canine  |
| <b>Specificity/Sensitivity</b>     | Recognizes an oncofetal antigen of 220kDa, identified as a tumor-associated glycoprotein (TAG-72) with properties of a mucin. This MAb defines the mucin-carried sialylated-Tn epitope. TAG-72 is usually expressed by adenocarcinomas, but is negative in mesotheliomas. Studies have reported that this antibody has 80% sensitivity and 93% specificity for pulmonary adenocarcinoma. Therefore, TAG-72 is a useful marker to distinguish between mesothelioma and adenocarcinoma. However, false positive reactions can occur so results must be interpreted with the utmost caution. This antibody may be useful in the differentiation of non-small cell carcinomas from small cell carcinomas of the lung. The combined use of anti-TAG-72 and anti-GCDFP-15 is valuable in the diagnosis of apocrine carcinoma. |
| <b>Immunogen</b>                   | Purified TAG-72 protein   |
| <b>Product Application Details</b> |   |
| <b>Applications</b>                | Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation  |
| <b>Recommended Dilutions</b>       | Flow Cytometry 0.5-1ug/million cells, Immunocytochemistry/Immunofluorescence 1-2ug/ml, Western Blot 0.5-1ug/ml, Immunoprecipitation 1-2ug/500ug protein lysate, Immunohistochemistry-Frozen 0.5-1ug/ml, Immunohistochemistry-Paraffin 0.5-1ug/ml, ELISA 1-5ug/ml for coating  |

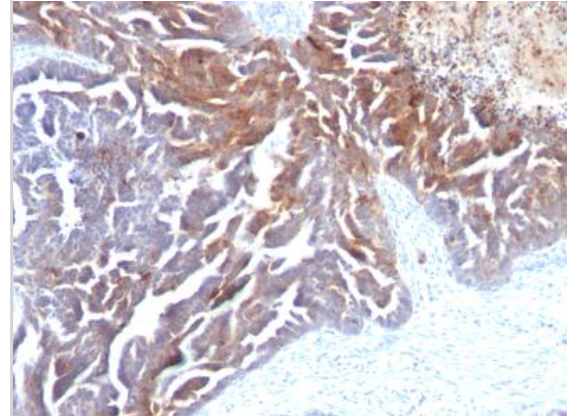


## Images

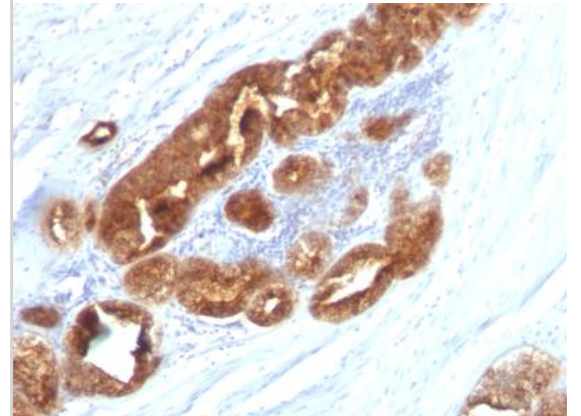
Immunohistochemistry-Paraffin: TAG-72 Antibody (CC49) [Azide Free] [NBP2-33128] - Formalin-fixed, paraffin-embedded human colon cancer stained with TAG-72 MAb (CC49), using HRPO-DAB. Note cytoplasmic and cell surface staining.



Immunohistochemistry-Paraffin: TAG-72 Antibody (CC49) [Azide Free] [NBP2-33128] - Formalin-paraffin human Ovarian Carcinoma stained with TAG-72 MAb (CC49).



Immunohistochemistry-Paraffin: TAG-72 Antibody (CC49) [Azide Free] [NBP2-33128] - Formalin-paraffin human Prostate Carcinoma stained with TAG-72 MAb (CC49).





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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.

**For more information on our guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee).**

