

## Mouse TAG-72/CA72.4 (Tumor-Associated Glycoprotein) Antibody | anti-TAG-72/CA72.4 antibody

TAG-72/CA72.4 (Tumor-Associated Glycoprotein)

| CATALOG # | HOST  | REACTIVITY                    | APPLICATIONS         |
|-----------|-------|-------------------------------|----------------------|
| AAA214928 | Mouse | Human, Cow, Dog, Hamster, Rat | Immunohistochemistry |

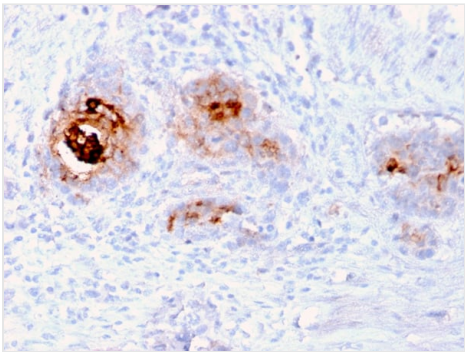
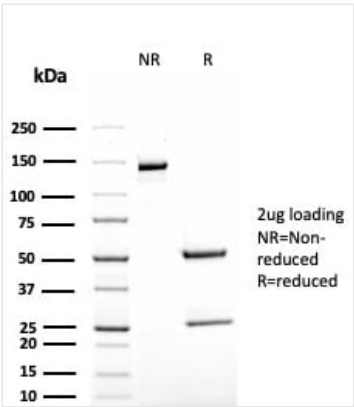
### PRODUCT SYNONYMS

TAG-72/CA72.4 (Tumor-Associated Glycoprotein); CA72.4; Tumor associated glycoprotein 72; anti-TAG-72/CA72.4 antibody

### PRODUCT SPECIFICATIONS

|                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                    | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Reactivity                                              | Human, Cow, Dog, Hamster, Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Isotype                                                 | IgG1, kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Clone Number                                            | rB72.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Specificity                                             | 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 apocrine carcinoma. |
| Purity/Purification                                     | Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Form/Format                                             | 200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Applicable Applications for anti-TAG-72/CA72.4 antibody | IHC (Immunohistochemistry)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Positive Control                                        | Jurkat cells, Breast or lung carcinoma.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Immunogen                                               | Membrane-enriched fraction of a human breast carcinoma liver metastasis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Cellular Localization                                   | Cytoplasmic and Cell Surface                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Antibody Type                                           | Recombinant Mouse Monoclonal Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Preparation and Storage                                 | Antibody with azide: store at 2 to 8 degree C.<br>Antibody without azide: store at -20 to -80 degree C.<br>Antibody is stable for 24 months. Non-hazardous. No MSDS required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

IMAGES



IHC (Immunohistochemistry)  
Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with TAG-72 Recombinant Mouse Monoclonal Antibody (rB72.3).

SDS-PAGE  
SDS-PAGE Analysis Purified TAG-72 Recombinant Mouse Monoclonal Antibody (rB72.3).  
Confirmation of Purity and Integrity of Antibody.

ADDITIONAL INFORMATION

|            |                                                                                                                                      |
|------------|--------------------------------------------------------------------------------------------------------------------------------------|
| References | 1. Lottich SC et. al. Breast Cancer Research and Treatment, 1985, 6(1):49-56. 2. Thor A et. al. Cancer Research, 1986, 46(6):3118-24 |
|------------|--------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                  |        |
|------------------|--------|
| NCBI GeneID      | 182875 |
| Molecular Weight | 220kDa |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.