

## 36-2177: Anti-TAG-72 / CA72.4 (Tumor-Associated Glycoprotein) Monoclonal Antibody(Clone: rB72.3)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	rB72.3
<b>Application :</b>	IHC
<b>Reactivity :</b>	Human, Rat
<b>Gene ID :</b>	182875
<b>Alternative Name :</b>	CA72.4, Tumor associated glycoprotein 72
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	Membrane-enriched fraction of a human breast carcinoma liver metastasis

### Description

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.

### Product Info

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	200 µg/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.
<b>Storage condition :</b>	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

### Application Note

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT) (Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

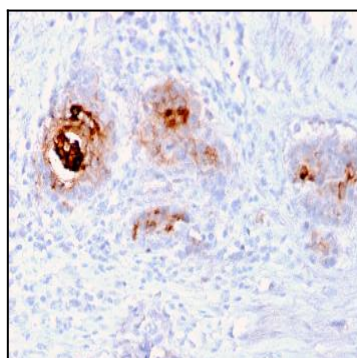


Fig. 1: Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with TAG-72 Recombinant Mouse Monoclonal Antibody (rB72.3).

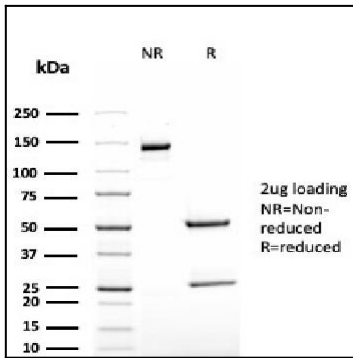


Fig. 2: SDS-PAGE Analysis Purified TAG-72 Recombinant Mouse Monoclonal Antibody (rB72.3). Confirmation of Purity and Integrity of Antibody.