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Bhubaneswar, Odisha - 751024, INDIA

## 36-1093: Monoclonal Antibody to TAG-72 / CA72.4 (Tumor-Associated Glycoprotein)(B72.3 + CC49)

Clone Name: Monoclonal
Clone Name: B72.3 + CC49
Application: FACS,IF,IHC
Reactivity: Human, Rat

 Gene :
 tag-72

 Gene ID :
 182875

 Uniprot ID :
 Q9XVS1

 Format :
 Purified

 Alternative Name :
 C25A1.3

**Isotype:** Mouse IgG1, kappa

Immunogen Information: Membrane-enriched fraction of a human breast carcinoma liver metastasis (B72.3); Purified

TAG-72 protein (CC49)

## **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**

**Amount :** 100 μg

**Purification:** Affinity Chromatography

**Content**: 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

toxic.

Storage condition:

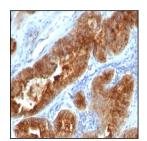
Storage condition:

Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

## **Application Note**

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); 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);

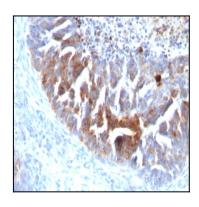


Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with TAG-72 Monoclonal Antibody (B72.3 + CC49).



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Formalin-fixed, paraffin-embedded human Ovarian Carcinoma stained with TAG-72 Monoclonal Antibody (B72.3 + CC49).