

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

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

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62607	Mouse	Human, Cow, Dog, Rat	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

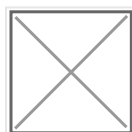
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

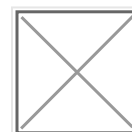
Host	Mouse
Reactivity	Human, Cow, Dog, Rat
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	CC49
Specificity	Recognizes an oncofetal antigen of 220kDa, identified as a tumor-associated glycoprotein (TAG-72) with properties of a mucin. This MAb defines the mucin-carried sialylated-Tn epitope. TAG-72 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.
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 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cytoplasmic and Cell Surface
Immunogen	Purified TAG-72 protein
Positive Control	Jurkat cells, Breast or lung carcinoma.
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)

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



IHC (Immunohistochemistry)

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

ADDITIONAL INFORMATION

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

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/tag-72-ca724-tumor-associated-glycoprotein-antibody-clone-cc49-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/62607>