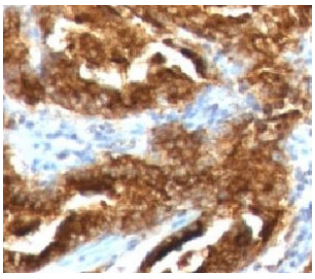
TAG-72 Antibody [clone CA72/733] (V2363)

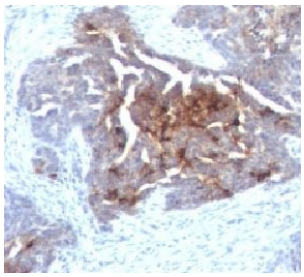
Catalog No.	Formulation	Size
V2363-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2363-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2363SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2363IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

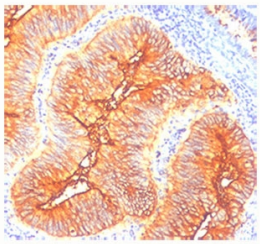
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	CA72/733
Purity	Protein G affinity chromatography
Gene ID	182875
Localization	Cytoplasmic and cell surface
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This **TAG-72 antibody** is available for research use only.



IHC testing of human prostate carcinoma with TAG-72 antibody (clone CA72/733).



IHC testing of human ovarian carcinoma with TAG-72 antibody (clone CA72/733).



IHC staining of human colon cancer with TAG-72 antibody (clone CA72/733).

Description

This antibody recognizes an oncofetal antigen of 220kDa, identified as a tumor-associated glycoprotein (TAG-72) with properties of a mucin. This antibody 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 TAG-72 antibody with a GCDFP-15 antibody is valuable in the diagnosis of apocrine carcinoma.

Explore our TAG-72 Antibody - Tumor Associated Glycoprotein and Carcinoma Marker page for a broader view of TAG-72 expression across epithelial cancers and tumor-associated glycosylation patterns.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the TAG-72 antibody to be titered up or down for optimal performance.

1. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Recombinant human TAG-72 protein was used as the immunogen for this antibody.

Storage

Store the TAG-72 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

CA 72.4, Tumor associated glycoprotein 72

References (2)

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