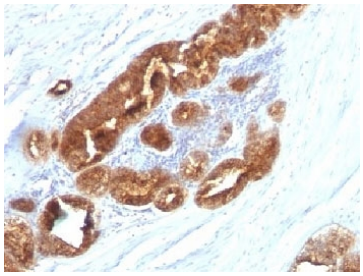
TAG-72 Antibody [clone CC49] (V3178)

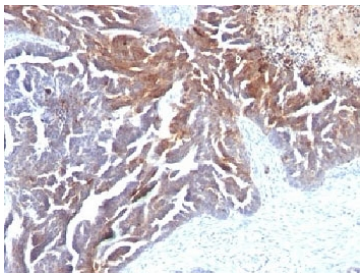
Catalog No.	Formulation	Size
V3178-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3178-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3178SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3178IHC-7ML	Prediluted 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

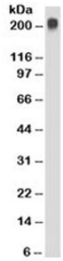
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	CC49
Purity	Protein G affinity chromatography
UniProt	Not Known
Localization	Cytoplasmic and cell surface
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This TAG-72 antibody is available for research use only.



IHC analysis of formalin-fixed, paraffin-embedded human prostate carcinoma stained with TAG-72 antibody (clone CC49).



IHC analysis of formalin-fixed, paraffin-embedded human ovarian carcinoma stained with TAG-72 antibody (clone CC49).



Western blot testing of Jurkat cell lysate with TAG-72 antibody (clone CC49). Expected molecular weight ~220kDa.

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.

Application Notes

The optimal dilution of the TAG-72 antibody for each application should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes.
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

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

Storage

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