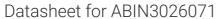
antibodies -online.com







anti-TAG-72 antibody

Images



Overview

Quantity:	100 μg
Target:	TAG-72
Reactivity:	Human, Rat, Cow, Dog
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TAG-72 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Western Blotting (WB)

Product Details

Immunogen:	Purified TAG-72 protein was used as the immunogen for this TAG-72 antibody.	
Clone:	CC49	
Isotype:	IgG1	
Purification:	Protein G affinity chromatography	

Target Details

Target:	TAG-72
Alternative Name:	TAG-72 (TAG-72 Products)
Background:	Recognizes an oncofetal antigen of 220 kDa, 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 Details

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

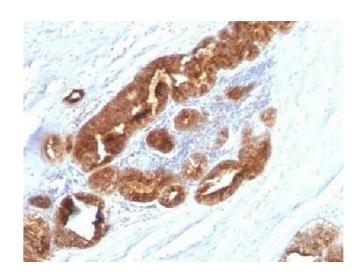
- 1. Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes.
- 2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.\. Western blot: 1-2 µg/mL, Flow Cytometry: 0.5-1 µg/million cells in 0.1ml,Immunofluorescence: 1-2 µg/mL,Immunohistochemistry (FFPE): 0.5-1 µg/mL for 30 minutes at RT (1),Prediluted format: incubate for 30 min at RT (2)

Restrictions:

For Research Use only

Handling

Concentration:	1 mg/mL	
Buffer:	1 mg/mL in 1X PBS, BSA free, sodium azide free	
Preservative:	Azide free	
Storage:	4 °C,-20 °C	
Storage Comment:	Store the TAG-72 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).	



Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections)

Image 1. Formalin-fixed, paraffin-embedded human prostate carcinoma stained with TAG-72 antibody (B72.3 + CC49).



Western Blotting

Image 2. Westen blot testing of Jurkat cell lysate with TAG-72 antibody (clone CC49). Expected molecular weight ~220kDa.