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Datasheet for ABIN6252881 **anti-TAG-72 antibody**

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 (IHC), 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

Target Details

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

Application Notes: 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)

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.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.2 mg/mL

Buffer: PBS with 0.1 mg/mL BSA and 0.05 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Aliquot and Store at -20C. Avoid freez-thaw cycles.