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Datasheet for ABIN6252884
anti-TAG-72 antibody

Overview

Quantity:	100 µg
Target:	TAG-72
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TAG-72 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant human TAG-72 protein was used as the immunogen for this antibody.
Clone:	TAGP-4
Isotype:	IgG1 kappa
Purification:	Protein G affinity chromatography

Target Details

Target:	TAG-72
Alternative Name:	TAG-72 (TAG-72 Products)
Background:	This antibody recognizes an oncofetal antigen of 220 kDa, identified as a tumor-associated glycoprotein (TAG-72) with properties of a mucin. 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

Target Details

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.

Gene ID: 182875

UniProt: [Q9XVS1](#)

Application Details

Application Notes: Flow Cytometry: 0.5-1 µg/million cells

IF: 1-2 µg/mL

IHC (FFPE): 0.5-1 µg/mL for 30 minutes at RT (1)

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 titrated up or down for optimal performance.

1. No pretreatment is required for staining of formalin-fixed, paraffin-embedded tissues.

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 should be handled by trained staff only.

Storage: -20 °C

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