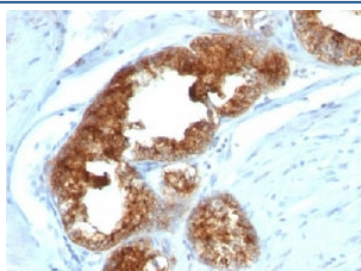


TAG-72 Antibody Cocktail [clone B72.3 + CA72/733] (V2364)

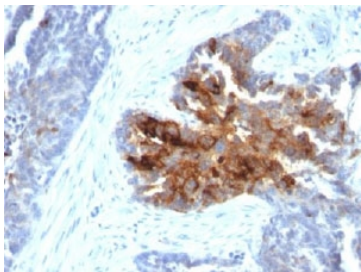
| Catalog No. | Formulation | Size |
|----------------|---|--------|
| V2364-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V2364-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V2364SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |
| V2364IHC-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 | B72.3 + 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 staining of human prostate carcinoma with TAG-72 antibody cocktail (B72.3 + CA72/733).



IHC staining of human ovarian carcinoma with TAG-72 antibody cocktail (B72.3 + 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.

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 titrated 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

The membrane-enriched fraction of a human breast carcinoma liver metastasis (B72.3) and TAG-72 protein (CA72/733) were used as the immunogens for this antibody cocktail.

Storage

Store the TAG-72 antibody cocktail 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)