TAG-72 / CA72.4 (Tumor-Associated Glycoprotein) Antibody

Mouse Monoclonal Antibody [Clone CA72/733]

Catalog No	Format	Size
182875-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
182875-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
182875-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

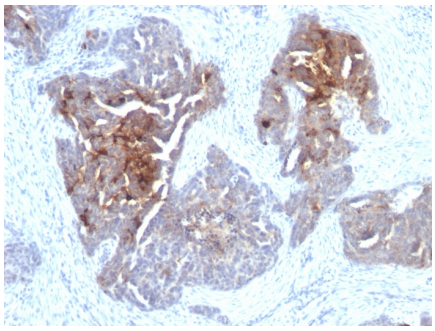
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

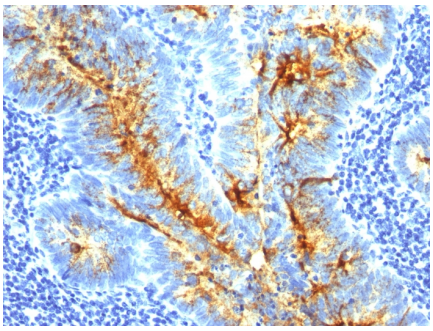
Clone	CA72/733
Gene Name	N/A
Immunogen	Purified TAG-72 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	220kDa
Cellular Localization	N/A
Species Reactivity	Cow, Dog, Human, Rat
Positive Control	Breast or lung carcinoma., Jurkat cells

**Optimal dilution for a specific application should be determined.*

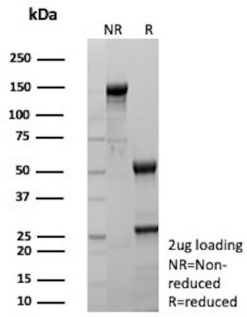
Product Images for TAG-72 / CA72.4 (Tumor-Associated Glycoprotein) Antibody



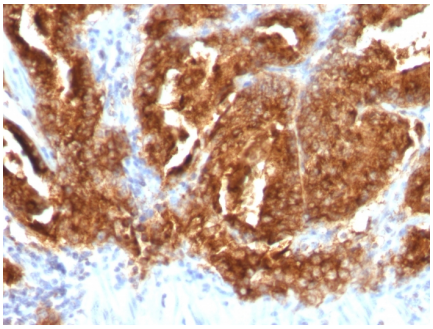
Formalin-fixed, paraffin-embedded human Ovarian Carcinoma stained withTAG-72 Mouse Monoclonal Antibody (CA72/733).



Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with TAG-72 Mouse Monoclonal Antibody (CA72/733).



SDS-PAGE Analysis of Purified TAG-72 Mouse Monoclonal Antibody(CA72/733). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with TAG-72 Mouse Monoclonal Antibody (CA72/733).

Specificity & Comments

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.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.