Mouse anti Tumor-Associated Glycoprotein (TAG-72) Monoclonal Antibody
Alternative Name(s): Tumor-Associated Glycoprotein (TAG-72)

Order Information

- **Description:** Tumor-Associated Glycoprotein (TAG-72)
- **Catalogue:** 603-880
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** B72.3
- **Application:** IHC(P), WB
- **Reactivity:** Hu

ANTIGEN PREPARATION
A membrane extracts of human hepatic carcinoma

BACKGROUND
Tumor-Associated Glycoprotein (TAG-72) a is a high-molecular-weight mucin, protein/sugar complex found on the surface of many cancer cells, including breast, colon, and pancreatic cells. It is a target for several anti-cancer drugs and a tumor marker. In studies TAG-72 showed a higher positivity rate for gastric cancer than CEA, CA 19-9, and AFP.

PURIFICATION
The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

FORMULATION
This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY
This antibody recognizes human Tumor-Associated Glycoprotein (TAG-72) protein. The other species are not tested.

STORAGE
The antibodies are stable for 24 months from date of receipt when stored at –20oC to –70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*
- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 220.0
- Positive Control: Kidney Tissue
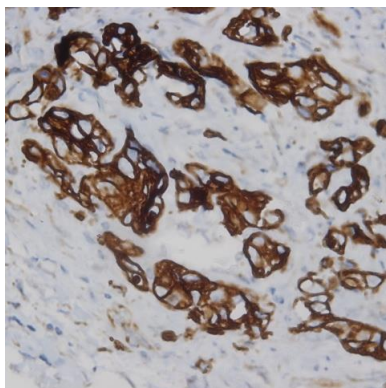- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

DATA ATTACHMENTS

Immunohistochemistry: Human breast carcinoma (FFPE) stained with Mouse anti- Tumor-Associated Glycoprotein (TAG-72) (Cat# 603-880) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES