Anti-TAG72 Antibody (BPE)

**Product Number:** AC12-0033-08

**Overview**

- **Host Species:** Mouse
- **Clonality:** Monoclonal (CA72/733)
- **Purity:** Antibody is purified from bioreactor concentrate by Protein A/G. The antibody is then conjugated to B-Phycocerythrin, also known as BPE or B-PE, which is a form of the photosynthesis protein phycoerythrin (PE). BPE has less nonspecific staining than itOC
- **Isotype:** IgG1, kappa
- **Conjugate:** BPE
- **Immunogen Type:** Anti-TAG72 antibody (BPE) was raised against recombinant human TAG-72 protein.

**Physical Characteristics**

- **Amount:** 0.05 mg
- **Concentration:** 1 mg/ml
- **Volume:** 0.05 ml
- **Buffer:** Antibody is purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS at 1.0mg/ml.
- **Storage:** Antibody should be aliquoted and stored at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

**Specificity**

- **Species Reactivity:** Human, Rat, Dog, Cow
- **Specificity:** Anti-TAG72 antibody 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

**Target Information**

**Application Details**

- **Tested Applications:** ELISA, WB, IHC, ICC, IF, IP, FC
- **ELISA:** For coating an ELISA plate, order antibody without BSA.
- **Western Blot:** Recommended starting concentration for western blot is 0.5-1.0 ug/ml.
- **Immunohistochemistry:** Recommended starting concentration for immunohistochemistry is 0.5-1.0 ug/ml for 30 minutes at RT with frozen, formalin-fixed tissues (No pretreatment is required for staining of formalin-fixed, paraffin-embedded tissues).
- **Immunocytochemistry:** Recommended starting concentration for immunocytochemistry is 0.5-1.0 ug/ml for 30 minutes at RT with frozen, formalin-fixed tissues (No pretreatment is required for staining of formalin-fixed, paraffin-embedded tissues).
- **Immunofluorescence:** Recommended starting concentration for immunofluorescence is 1.0-2.0 ug/ml.
- **Flow Cytometry:** 0.5-1.0 ug antibody (BPE)/million cells
- **Immunoprecipitation:** 1.0-2.0 ug antibody (BPE)/500 ug protein lysate

**Product Images**

All products are for research purposes only, not for diagnostic or therapeutic use.