Mouse anti EpCam Monoclonal Antibody

Alternative Name(s): nan

Order Information

- **Description:** EpCam
- **Catalogue:** 604-410
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** AUA1
- **Application:** IHC(P), WB
- **Reactivity:** Hu

ANTIGEN PREPARATION

A recombinant protein of human EpCAM

BACKGROUND

EpCam, the epithelial cell adhesion molecule, is a carcinoma-associated antigen and a member of a family that includes at least two type I membrane proteins. EpCAM is a monomeric membrane glycoprotein that is expressed in most normal human epithelium and carcinomas. It is overexpressed in a variety of carcinomas and is, therefore, a potential target for the visualization and therapy of human solid tumors. The antigen is being used as a target for immunotherapy treatment of human carcinomas. Mutations in this gene result in congenital tufting enteropathy.

PURIFICATION

The Mouse IgG is purified by Affinity Purification

FORMULATION

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

SPECIFICITY

This antibody recognizes human EpCam 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: 35.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

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

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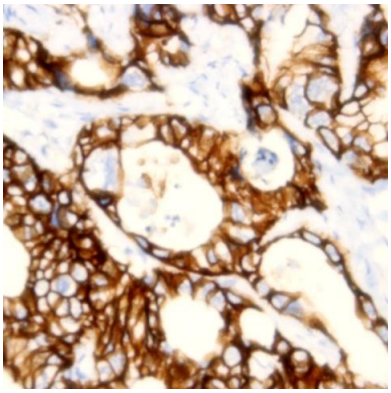
DATA ATTACHMENTS



Immunohistochemistry: Human breast carcinoma (FFPE) stained with Mouse anti- EpCam (Cat# 604-410) 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

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