



## Mouse anti EpCam Monoclonal Antibody

Alternative Name(s): nan

### Order Information

- **Description:** EpCam
- **Catalogue:** 604-411
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** UV1D9
- **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  $-20^{\circ}\text{C}$  to  $-70^{\circ}\text{C}$ . The antibodies can be stored at  $2^{\circ}\text{C}$ - $8^{\circ}\text{C}$  for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

### **APPLICATIONS/SUGGESTED WORKING DILUTIONS\***

- Western Blot: 0.1-1  $\mu\text{g}/\text{ml}$
- ELISA: 0.01-0.1  $\mu\text{g}/\text{ml}$
- Immunoprecipitation: 2-5  $\mu\text{g}/\text{ml}$
- IHC: 2-10  $\mu\text{g}/\text{ml}$
- Flow cytometry: Not tested
- Molecular Weight: 35.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

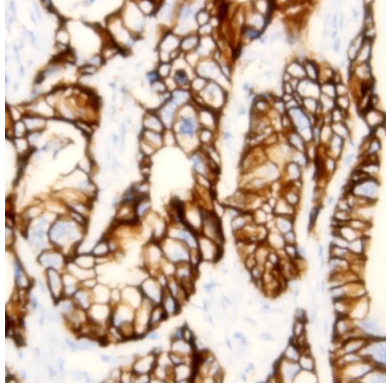
\*Optimal dilutions should be determined by researchers for the specific applications.

### **FOR RESEARCH USE ONLY.**

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## DATA ATTACHMENTS



Immunohistochemistry: Human breast carcinoma (FFPE) stained with Mouse anti-EpCam (Cat# 604-411) 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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