



#### **Ep-CAM**

Mouse Monoclonal Antibody (Mab)
Catalog # APA026

## **Specification**

## **Ep-CAM - Product Information**

Application IHC
Primary Accession P16422
Host Mouse
Clonality Monoclonal
Calculated MW 34932 Da

### **Ep-CAM - Additional Information**

Gene ID 4072
Gene Name EPCAM

**Other Names** 

Epithelial cell adhesion molecule, Ep-CAM, Adenocarcinoma-associated antigen, Cell surface glycoprotein Trop-1, Epithelial cell surface antigen, Epithelial glycoprotein, EGP, Epithelial glycoprotein 314, EGP314, hEGP314, KS 1/4 antigen, KSA, Major gastrointestinal tumor-associated protein GA733-2, Tumor-associated calcium signal transducer 1, CD326, EPCAM, GA733-2, M1S2, M4S1, MIC18, TACSTD1, TROP1

**Dilution** 

IHC~~1:100~500

Storage Maintain refrigerated at 2-8°C for up to 2

weeks. For long term storage store at -20°C in small aliquots to prevent

freeze-thaw cycles.

Precautions Ep-CAM is for research use only and not for

use in diagnostic or therapeutic

procedures.

# **Ep-CAM - Protein Information**

Name EPCAM

Synonyms GA733-2, M1S2, M4S1, MIC18, TACSTD1,

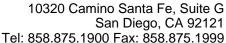
**TRO** 

Function May act as a physical homophilic

interaction molecule between intestinal epithelial cells (IECs) and intraepithelial lymphocytes (IELs) at the mucosal epithelium for providing immunological barrier as a first line of defense against mucosal infection. Plays a role in

embryonic stem cells proliferation and

differentiation. Up-regulates the





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Cellular Location

Tissue Location

expression of FABP5, MYC and cyclins A and E.

Lateral cell membrane; Single-pass type I membrane protein. Cell junction, tight junction. Note=Colocalizes with CLDN7 at the lateral cell membrane and tight junction

Highly and selectively expressed by undifferentiated rather than differentiated embryonic stem cells (ESC) Levels rapidly diminish as soon as ESC's differentiate (at protein levels). Expressed in almost all epithelial cell membranes but not on mesodermal or neural cell membranes. Found on the surface of adenocarcinoma.

## **Ep-CAM - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

**Ep-CAM - Images**