

**Ep-CAM**  
**Mouse Monoclonal Antibody (Mab)**  
**Catalog # APA026****Specification**

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**Ep-CAM - Product Information**

Application	IHC
Primary Accession	<a href="#">P16422</a>
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

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 expression of FABP5, MYC and cyclins A and E.**Cellular Location** Lateral cell membrane; Single-pass type I

#### Tissue Location

**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](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **Ep-CAM - Images**