

**Ep-CAM / CD326 (Epithelial Marker) Mouse Monoclonal Antibody [Clone EGP40/837]  
Purified Mouse Monoclonal Antibody  
Catalog # AH10372**

**Specification**

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**Ep-CAM / CD326 (Epithelial Marker) Mouse Monoclonal Antibody [Clone EGP40/837] -  
Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IF, FC                 |
| Primary Accession | <a href="#">P16422</a> |
| Reactivity        | Human                  |
| Host              | Mouse                  |
| Clonality         | Monoclonal             |
| Isotype           | IgG1, kappa            |
| Calculated MW     | 40-43kDa KDa           |

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Additional Information**

**Gene ID** 4072

**Other Names**

Adenocarcinoma-associated Antigen; Cell Surface Glycoprotein Trop-1; EGP2; EGP314; EGP40; Epithelial Cell Adhesion Molecule; Epithelial Glycoprotein 314; ESA; KSA; TACD1; TACSTD1; TROP1; Tumor-associated Calcium Signal Transducer 1, ECS-1, Epidermal Surface Antigen 1, ESA1, FLOT2, Flotillin-2, M17S1 (Membrane Component, Chromosome 17, Surface Marker-1), REG-1, Reggie-1, Reggie-2

**Target/Specificity**

Recombinant full-length human TACSTD1 protein

**Format**

0.5ml at 100ug/ml with BSA and azide

**Storage**

Store at 2 to 8°C. Antibody is stable for 24 months.

**Precautions**

Ep-CAM / CD326 (Epithelial Marker) Mouse Monoclonal Antibody [Clone EGP40/837] is for research use only and not for use in diagnostic or therapeutic procedures.

**Ep-CAM / CD326 (Epithelial Marker) Mouse Monoclonal Antibody [Clone EGP40/837] -  
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 membrane protein. Cell junction, tight junction.  
Note=Colocalizes with CLDN7 at the lateral cell membrane and tight junction

#### Tissue Location

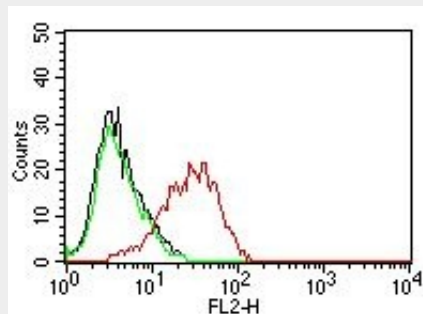
Highly and selectively expressed by undifferentiated rather than differentiated embryonic stem cells (ESC) Levels rapidly diminish as soon as ESC's differentiate (at protein levels). Expressed in almost all epithelial cell membranes but not on mesodermal or neural cell membranes. Found on the surface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

### Ep-CAM / CD326 (Epithelial Marker) Mouse Monoclonal Antibody [Clone EGP40/837] - 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 / CD326 (Epithelial Marker) Mouse Monoclonal Antibody [Clone EGP40/837] - Images



Flow Cytometric analysis of human Ep-CAM on MCF-7 Cells. Black: Cells alone; Green: Isotype Control; Red: PE-labeled Ep-CAM MAb (EGP40/837).

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Bjork, P., Jonsson, U., Svedberg, H., Larsson, K., Lind, P., Dillner, J., Hedlund, G., Dohlsten, M. and Kalland, T. 1993. Isolation, partial characterization, and molecular cloning of a human colon adenocarcinoma cell-surface glyco- protein recognized by the C215 mouse monoclonal antibody. *J. Biol. Chem.* 268: 24232-24241.