

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

Specification

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

Application	IF, FC
Primary Accession	P16422
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

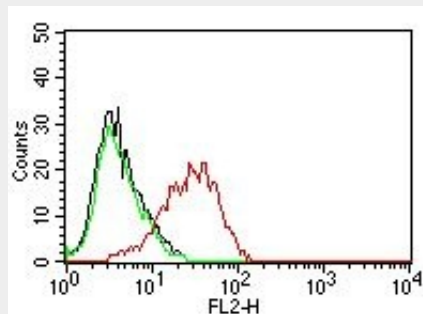
Highly and selectively expressed by undifferentiated rather than differentiated embryonic stem cells (ESC) Levels rapidly diminish as soon as ESC's differentiate (at protein levels). Expressed in almost all epithelial cell membranes but not on mesodermal or neural cell membranes. Found on the surface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

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

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.