

Mouse Ep-CAM /CD326 Monoclonal Antibody | anti-TACSTD1 antibody

Ep-CAM /CD326 (Epithelial Marker) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA13838	Mouse	Human.Does not react with Mouse and Rat	Flow Cytometry, Functional Assay, Immunofluorescence, Western Blot, Immunohistochemistry

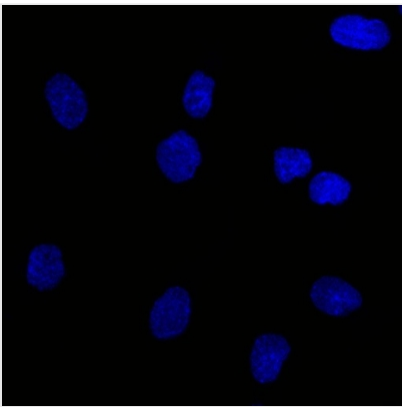
PRODUCT SYNONYMS

Ep-CAM /CD326; Monoclonal Antibody; Ep-CAM /CD326 (Epithelial Marker) Mouse Monoclonal Antibody; 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; anti-TACSTD1 antibody

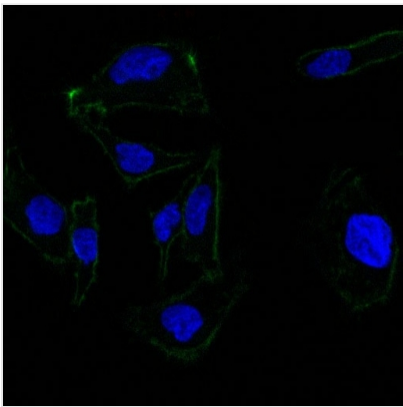
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Does not react with Mouse and Rat
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	EGP40/837
Specificity	EGP40 is a 40-43kDa transmembrane epithelial glycoprotein, also identified as epithelial specific antigen (ESA), or epithelial cellular adhesion molecule (Ep-CAM). It is expressed on baso-lateral cell surface in most simple epithelia and a vast majority of carcinomas with the exception of adult squamous epithelium, hepatocytes and gastric epithelial cells. This antibody has been used to distinguish adenocarcinoma from pleural mesothelioma and hepatocellular carcinoma. This antibody is also useful in distinguishing serous carcinomas of the ovary from mesothelioma.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	314
Applicable Applications for anti-TACSTD1 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	Flow Cytometry (0.5-1ug/million cells in 0.1ml) Immunofluorescence (1-2ug/ml) Western Blot (0.5-1ug/ml) Immunohistochemistry (Formalin-fixed) (0.5-1ug/ml for 30 min at RT) (Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)
Cellular Localization	Cell Surface
Immunogen	Recombinant human TACSTD1 protein
Hu-Chromosome Location	2p21
Positive Control	HT29 cells or breast tumor
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

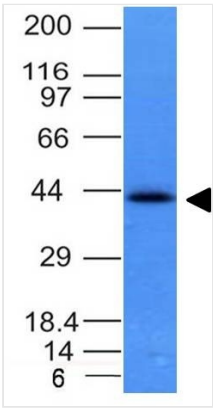
IMAGES



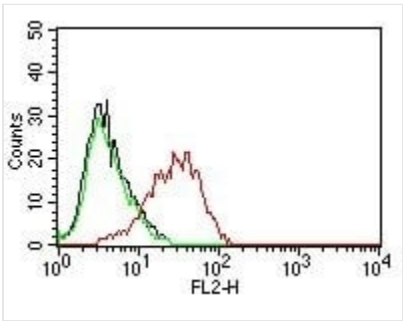
IF (Immunofluorescence)
Confocal Immunofluorescent analysis of SK-OV-3 cells using AF488-labeled Isotype Control Monoclonal Antibody (IgG1) (Green). DAPI was used to stain the cell nuclei (blue). (Negative Control)



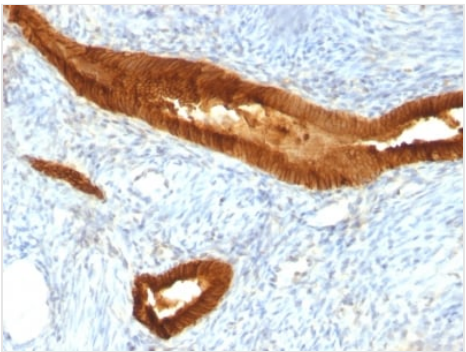
IF (Immunofluorescence)
Confocal Immunofluorescent analysis of SK-OV-3 cells using AF488-labeled EpCAM Monoclonal Antibody (EGP40/837) (Green). DAPI was used to stain the cell nuclei (blue).



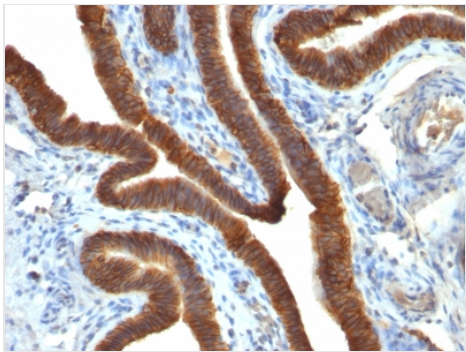
WB (Western Blot)
Western Blot of HCT116 Cell Lysate using Ep-CAM Monoclonal Antibody (EGP40/837).



FCM (Flow Cytometry)
Flow Cytometry of human MCF-7 Cells. Black: Cells alone; Green: Isotype Control; Red: PE-labeled Ep-CAM Monoclonal Antibody (EGP40/837).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Endometrial Carcinoma stained with Ep-CAM Monoclonal Antibody (EGP40/837).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Ovarian Carcinoma stained with Ep-CAM Monoclonal Antibody (EGP40/837).

ADDITIONAL INFORMATION

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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	218505670
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NCBI GeneID	4072
NCBI Accession #	NP_002345.2
NCBI GenBank Nucleotide #	NM_002354.2
UniProt Accession #	P16422; P18180; Q6FG26; Q6FG49; Q96C47; Q9UCD0
Molecular Weight	40-43kDa
NCBI Official Full Name	epithelial cell adhesion molecule
NCBI Official Synonym Full Names	epithelial cell adhesion molecule
NCBI Official Symbol	EPCAM
NCBI Official Synonym Symbols	ESA; KSA; M4S1; MK-1; DIAR5; EGP-2; EGP40; KS1/4; MIC18; TROP1; EGP314; HNPCC8; TACSTD1
NCBI Protein Information	epithelial cell adhesion molecule
UniProt Protein Name	Epithelial cell adhesion molecule
UniProt Gene Name	EPCAM
UniProt Synonym Gene Names	GA733-2; M1S2; M4S1; MIC18; TACSTD1; TROP1; Ep-CAM; EGP; EGP314; hEGP314
UniProt Entry Name	EPCAM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ep-cam-cd326-antibody-clone-egp40-837-flow-cytometry-immunofluorescence-western-blot-immunohistochemistry-elisa/13838>