

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

Ep-CAM/CD326 (Extracellular Domain) (Epithelial Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215075	Mouse	Human Does not react with Mouse or Rat.	Immunofluorescence, Flow Cytometry, Functional Assay

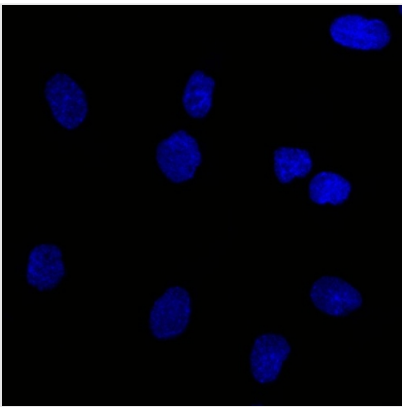
PRODUCT SYNONYMS

Ep-CAM/CD326; Monoclonal Antibody; Ep-CAM/CD326 (Extracellular Domain) (Epithelial Marker); Adenocarcinoma-associated Antigen; Cell Surface Glycoprotein Trop-1; EGP2; EGP314; EGP40; Epithelial Cell Adhesion Molecule; Epithelial Glycoprotein 314; ESA; KSA; TACD1; TROP1; Tumor-associated Calcium Signal Transducer 1 (TACSTD1); anti-Ep-CAM/CD326 antibody

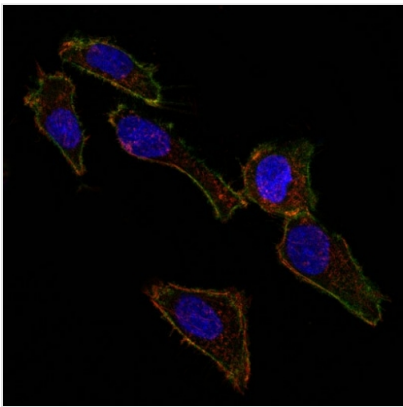
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human Does not react with Mouse or Rat.
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	EGP40/826
Specificity	Recognizes a 40-43kDa transmembrane epithelial glycoprotein, identified as epithelial specific antigen (ESA), or epithelial cellular adhesion molecule (Ep-CAM). Ep-CAM is expressed on baso-lateral cell surface in most simple epithelia and a vast majority of carcinomas. This antibody has been used to distinguish adenocarcinoma from pleural mesothelioma and hepatocellular carcinoma. It is also useful in distinguishing serous carcinomas of the ovary from mesothelioma. This epithelial antigen plays an important role as a tumor-cell marker in lymph nodes from patients with esophageal carcinoma otherwise classified as node-negative. Epithelial antigen has also been suggested as a discriminator between basal cell and baso-squamous carcinomas, and squamous cell carcinoma of the skin.
Purity/Purification	Purified Ab conjugated to CF488
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-Ep-CAM/CD326 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Positive Control	HT29 or SK-OV-3 cells (FACS/IF). Breast carcinoma (IHC).
Immunogen	A synthetic peptide (around aa 20-60) from the N-terminus of human TACSTD1 protein
Cellular Localization	Cell Surface
Hu-chromosome Location	2q21
Preparation and Storage	Antibody with azide: store at 4 to 8 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 CF488-labeled Isotype Control Mouse 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 CF488-labeled EpCAM Mouse Monoclonal Antibody (EGP40/826) (Green). DyLight 554 Phalloidin labeled F-actin filaments (Red). DAPI stained nuclei (blue).

ADDITIONAL INFORMATION

References	Bjork, P., et al. 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
NCBI GeneID	4072
NCBI Accession #	NP_002345.2
NCBI GenBank Nucleotide #	NP_002345.2
UniProt Accession #	P16422
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.