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36-2731: Anti-Ep-CAM / CD326 (Extracellular Domain) (Epithelial Marker) Monoclonal Antibody(Clone: EGP40/826)-CF488

Clonality :	Monoclonal
Clone Name :	EGP40/826
Application :	FACS,IF
Reactivity :	Human
Conjugate :	CF488
Gene :	TACSTD1
Gene ID :	4072
Uniprot ID :	P16422
Alternative Name :	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)
Isotype :	Mouse IgG1, kappa
Immunogen Information :	A synthetic peptide (around aa 20-60) from the N-terminus of human TACSTD1 protein

Description

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 sÂµggested as a discriminator between basal cell and baso-squamous carcinomas, and squamous cell carcinoma of the skin.

Product Info

Amount :	0.5 ml at 100µg/ml
Content :	200 µg/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.
Storage condition :	Antibody with azide - store at 4 to 8°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

Flow Cytometry (5ul per test per one million cells or 5ul per 100ul of whole blood);Immunofluorescence (1:50-1:100);

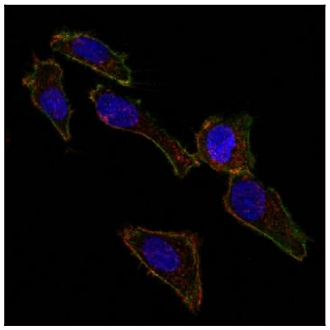

Fig. 1: Confocal Immunofluorescent analysis of SK-OV-3 cells using CF488-labeled EpCAM Mouse Monoclonal Antibody (EGP40/826) (Green). DyLight 554 Phalloidin labeled F-actin filaments (Red). DAPI stained nuclei (blue).

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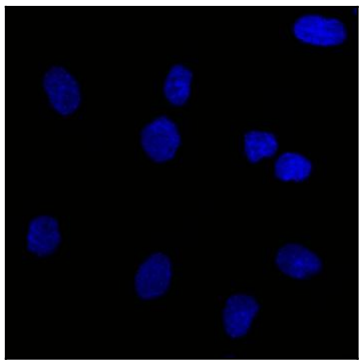

Fig. 2: Confocal Immunofluorescent analysis of SK-OV-3 cells using CF488-labeled Isotype Control Mouse Monoclonal Antibody IgG1-(Green). DAPI was used to stain the cell nuclei (blue). (Negative Control)