

Datasheet for ABIN6934075

anti-EpCAM antibody (N-Term) (CF®488A)



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2 Images

Overview

Quantity:	0.5 mL
Target:	EpCAM (EPCAM)
Binding Specificity:	AA 20-60, N-Term
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This EpCAM antibody is conjugated to CF®488A
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (IHC), Test (T)

Product Details

Immunogen:	A synthetic peptide (around aa 20-60) from the N-terminus of human TACSTD1 protein
Clone:	EGP40-826
Isotype:	IgG1 kappa
Specificity:	Recognizes a 40-43 kDa 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-

Product Details

squamous carcinomas, and squamous cell carcinoma of the skin.

No Cross-Reactivity: Mouse (Murine), Rat (Rattus)

Purification: Purified by Protein A/G

Target Details

Target: EpCAM (EPCAM)

Alternative Name: TACSTD1 ([EPCAM Products](#))

Molecular Weight: 40-43kDa

Gene ID: 4072

UniProt: [P16422](#)

Application Details

Application Notes: Positive Control: HT29 or SK-OV-3 cells (FACS/IF). Breast carcinoma (IHC).
Known Application: Flow Cytometry (5 µL per test per one million cells or 5 µL per 100 µL of whole blood),Immunofluorescence (1:50-1:100),Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 100 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

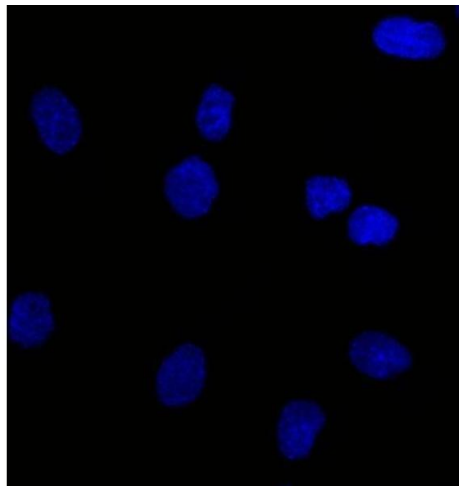
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

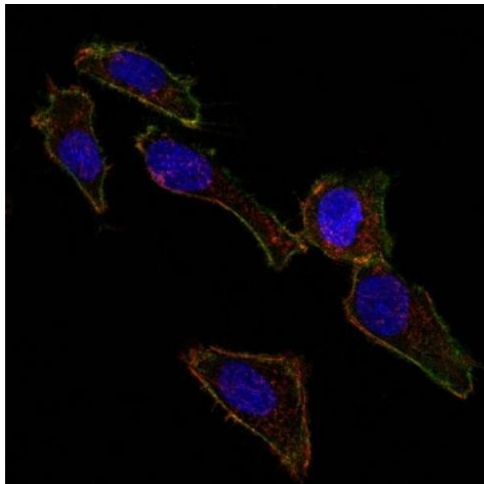
Storage Comment: Antibody with azide - store at 4 to 8°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



Immunofluorescence

Image 1. 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)



Immunofluorescence

Image 2. 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).