Datasheet for ABIN6939991

anti-EpCAM antibody (N-Term)

5 Images

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Overview

Quantity:	100 µg
Target:	EpCAM (EPCAM)
Binding Specificity:	AA 20-60, N-Term
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This EpCAM antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (IHC), Staining Methods (StM)

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.

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Product Details

	Epithelial antigen has also been suggested as a discriminator between basal cell and baso-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 (0.5-1 µg/million cells), Immunofluorescence (1-2 µg/mL), Western Blot (0.5-1 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 min at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

Handling

Concentration:	200 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,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

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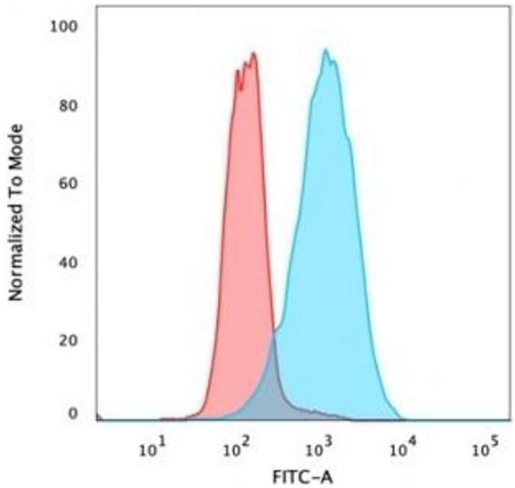
Handling

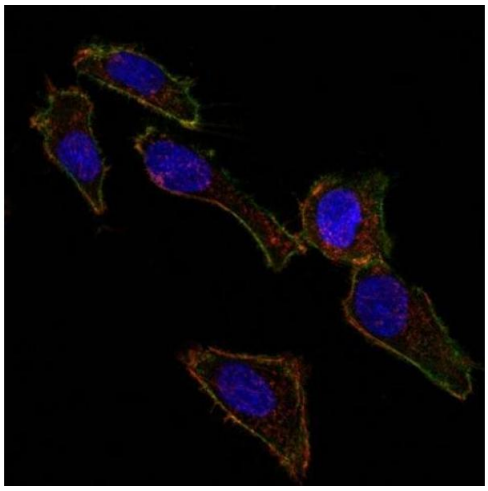
Expiry Date:	24 months

Images



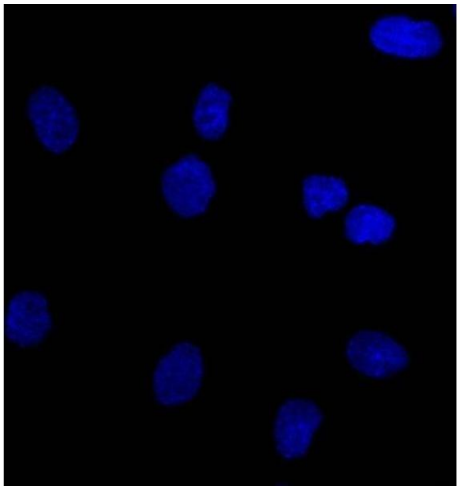
Flow Cytometry

Image 1. Flow Cytometric Analysis of PFA fixed MCF-7 cells using EpCAM Mouse Monoclonal Antibody (EGP40/826) followed by Goat anti-mouse IgG-CF488 (Blue), Isotype Control (Red).



Immunofluorescence

Image 2. Confocal Immunofluorescent analysis of SK-OV-3 cells using AF488-labeled EpCAM Mouse Monoclonal Antibody (EGP40/826) (Green). DyLight 554 Phalloidin labeled F-actin filaments (Red). DAPI stained nuclei (blue).



Immunofluorescence

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

Please check the product details page for more images. Overall 5 images are available for ABIN6939991.