

Datasheet for ABIN6939993

anti-EpCAM antibody**4** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	EpCAM (EPCAM)
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:	Recombinant human EpCAM protein (full-length and fragments)
Clone:	PAN-EpCAM
Isotype:	IgG kappa
Purification:	Purified by Protein A/G

Target Details

Target:	EpCAM (EPCAM)
Alternative Name:	TACSTD1 (EPCAM Products)
Background:	It is a cocktail of four highly specific monoclonal antibodies that recognize extracellular as well as intracellular domains of the epithelial cellular adhesion molecule (EpCAM). It is a 40-43 kDa transmembrane epithelial glycoprotein, identified as epithelial specific antigen (ESA), or EpCAM.

Target Details

EpCAM is expressed on baso-lateral cell surface in most simple epithelia and a vast majority of carcinomas. 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.

Molecular Weight: 40-43kDa

Gene ID: 4072

UniProt: [P16422](#)

Application Details

Application Notes: Positive Control: HT29 cells. Breast tumor.
Known Application: Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), Western Blot (1-2 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.

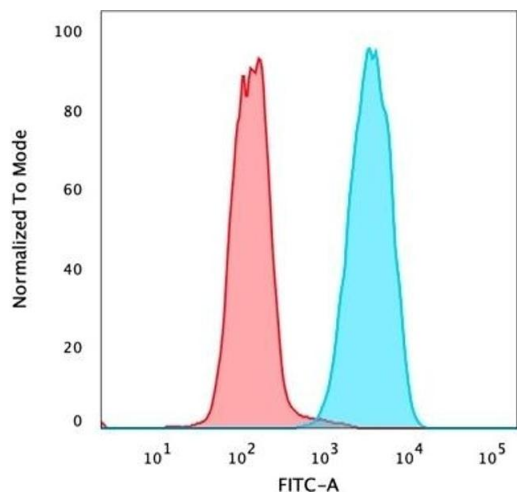
Preservative: Sodium azide

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

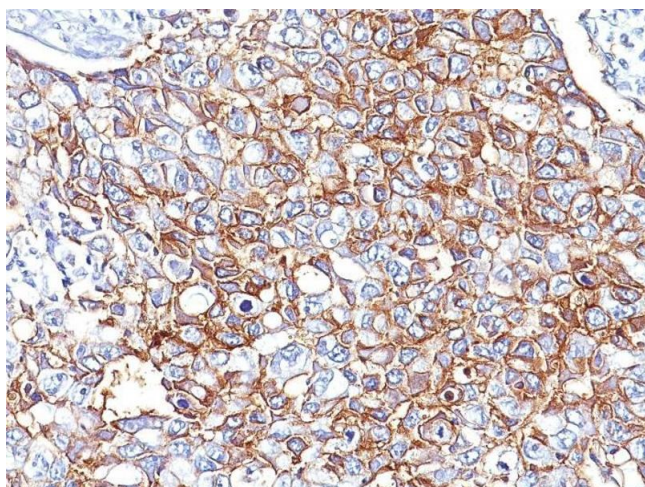
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



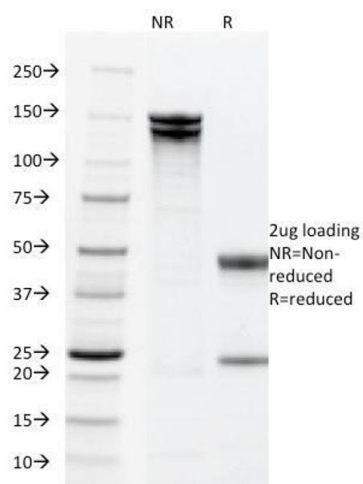
Flow Cytometry

Image 1. Flow Cytometric Analysis of PFA-fixed MCF-7 cells using EpCAM Mouse Monoclonal Antibody (PAN-EpCAM) followed by goat anti-mouse IgG-CF488 (blue), isotype control (red).



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with EpCAM Mouse Monoclonal Antibody (PAN-EpCAM).



SDS-PAGE

Image 3. SDS-PAGE Analysis Purified EpCAM Mouse Monoclonal Antibody (PAN-EpCAM). Confirmation of Integrity and Purity of Antibody

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6939993.