

36-2735: Anti-Ep-CAM / CD326 (Extracellular Domain) (Epithelial Marker) Monoclonal Antibody(Clone: EGP40/2571R)

Clonality :	Monoclonal
Clone Name :	EGP40/2571R
Application :	FACS,IHC
Reactivity :	Human
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 :	Rabbit IgG
Immunogen Information :	Recombinant human EpCAM fragment from extracellular domain (around aa100-224) (exact sequence is proprietary)

Description

Epitope of this MAb is mapped between aa 202-212 of EGP40, which is a 40-43kDa transmembrane epithelial glycoprotein, also identified as epithelial specific antigen (ESA), or epithelial cellular adhesion molecule (Ep-CAM). It is expressed on basolateral cell surface in most simple epithelia and a vast majority of carcinomas. Antibody to Ep-CAM has been used to distinguish adenocarcinoma from pleural mesothelioma and hepatocellular carcinoma. This antibody is also useful in distinguishing serous carcinomas of the ovary from mesothelioma.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified by Protein A. 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 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

Flow Cytometry (1-2ug/million cells). Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 min at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);

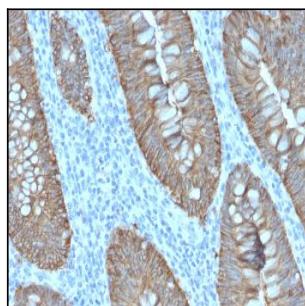


Fig. 1: Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with EpCAM Rabbit Recombinant Monoclonal Antibody (EGP40/2571R).

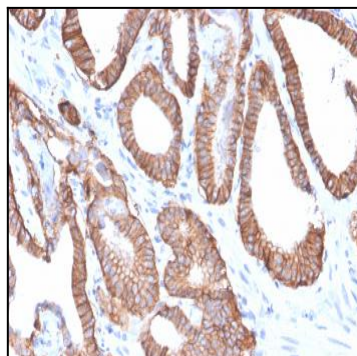


Fig. 2: Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with EpCAM Rabbit Recombinant Monoclonal Antibody (EGP40/2571R).

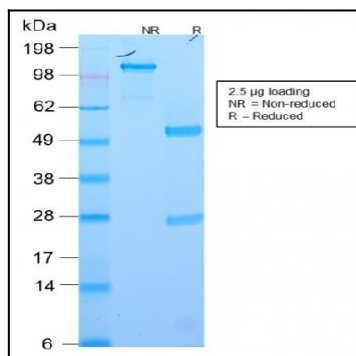


Fig. 3: SDS-PAGE Analysis Purified EpCAM Rabbit Recombinant Monoclonal Antibody (EGP40/2571R). Confirmation of Integrity and Purity of Antibody.

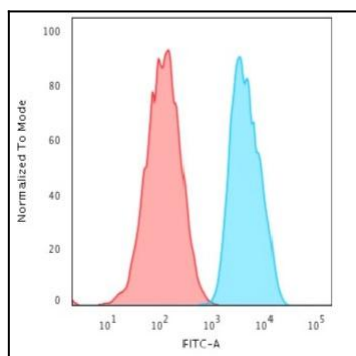


Fig. 4: Flow Cytometric Analysis of MCF-7 cells using EpCAM Rabbit Recombinant Monoclonal Antibody (EGP40/2571R) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).