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12-1007: Recombinant Mouse Monoclonal Antibody to Ep-CAM / CD326 (Epithelial Marker)(Clone : rVU-1D9)

Clonality :	Monoclonal
Clone Name :	rVU-1D9
Application :	FACS,IHC
Reactivity :	Human
Gene :	EPCAM
Gene ID :	4072
Uniprot ID :	P16422
Format :	Purified
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), ECS-1, Epidermal Surface Antigen 1, ESA1, FLOT2, Flotillin-2, Membrane Component, Chromosome 17, Surface Marker-1 (M17S1), REG-1, Reggie-1, Reggie-2
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Small cell lung carcinoma cells

Description

This antibody reacts with the first EGF repeat in the extracellular domain of Ep-CAM. It 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 baso-lateral cell surface in most simple epithelia and a vast majority of carcinomas with the exception of adult squamous epithelium, hepatocytes and gastric epithelial cells. This antibody 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
Purification :	Purified Ab with BSA and Azide at 200ug/ml
Content :	200ug/ml of recombinant MAb purified 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 :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Flow Cytometry (0.5-1Ã□Âµg/million cells); Immunohistochemistry (Formalin-fixed) (1-2Ã□Âµg/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&degC followed by cooling at RT for 20 minutes);

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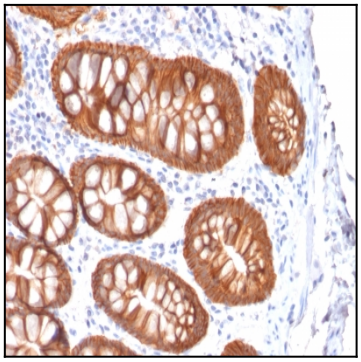

Figure 1 : Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Ep-CAM Recombinant Mouse Monoclonal Antibody (rVU-1D9).