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10-7515: Monoclonal Antibody to EpCAM (Clone: VU-1D9)

Clonality: Monoclonal **Clone Name:** VU-1D9 IHC.FACS.WB Application: Reactivity: Human Gene: **EPCAM** Gene ID: 4072 **Uniprot ID:** P16422 **Purified** Format:

Alternative Name: EPCAM,GA733-2,M1S2,M4S1,MIC18,TACSTD1,TROP1

Isotype: Mouse IgG1 Kappa

The NC1-H69 human small cell lung carcinoma line was used as immunogen to generate the

Immunogen Information: EpCAM antibody. The antibody binding epitope has been mapped to the first EGF-like repeat

domain (EGF1) amino acids 27-59 of the EpCAM protein.

Description

EpCAM (epithelial specific antigen) is an ~40 kDa transmembrane glycoprotein involved in a number of cellular processes including adhesion, proliferation, maintenance of stemness, migration and invasion. EpCAM is expressed on most, but not all, normal epithelia and their corresponding malignancies. Although the role of EpCAM expression in tumorigenesis remains to be fully elucidated, EpCAM may downregulate immunity and help tumors actively escape from immune surveillance.

Product Info

Amount : 100 μg

Purification: Protein G Chromatography

Content: 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

toxic.

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

Immunohistochemical analysis: 1:100-1:200; Flowcytometry analysis: 0.2-0.5 μg/10⁶ cells, Western blot analysis: 4-6 μg/ml

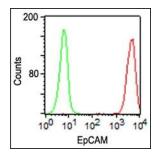


Figure-1:Surface staining of HT29 cells using EpCAM antibody (red) and isotype control antibody (green) at 0.2 μ g/10^6 cells (Clone: VU-1D9).



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Figure-2: Immunohistochemical analysis of EpCAM in human colon cancer using EpCAM antibody (Clone: VU-1D9) at 1:100 dilution.

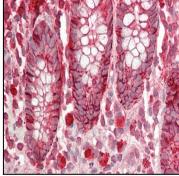


Figure-3: Immunohistochemical analysis of EpCAM in human colon tissue using EpCAM antibody (Clone: VU-1D9) at 5 μ g/ml.

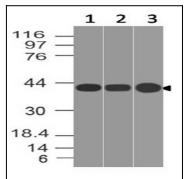


Figure-4: Western blot analysis of EpCAM. Anti- EpCAM antibody (Clone: VU-1D9) was used at 4 μ g/ml in (1) HT-29, (2) HCT-116 and (3) A431 lysates