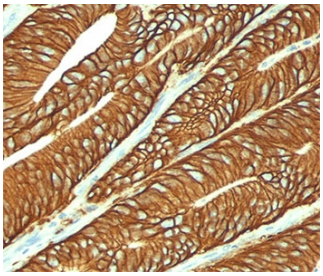
EpCAM Antibody [clone VU-1D9] (V2184)

Catalog No.	Formulation	Size
V2184-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2184-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2184SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2184IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

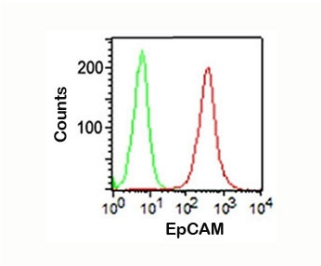
Citations (21)

Bulk quote request

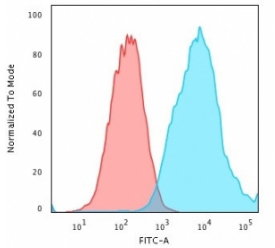
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	VU-1D9
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	4072
Localization	Cell surface, cytoplasmic
Applications	Flow Cytometry : 0.5-1ug/10^6 cells Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 0.5-1ug/ml for 30 min at RT
Limitations	This **EpCAM antibody** is available for research use only.



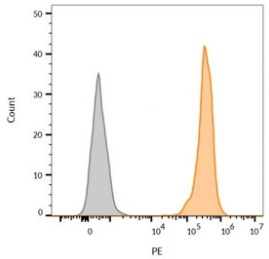
IHC testing of FFPE colon carcinoma stained with EpCAM antibody (clone VU-1D9).



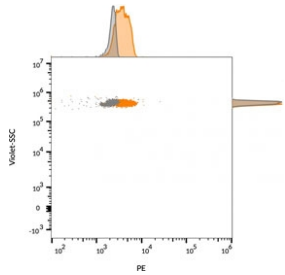
FACS staining (surface) of HT29 cells using EpCAM antibody (VU-1D9, red) and isotype control (green).



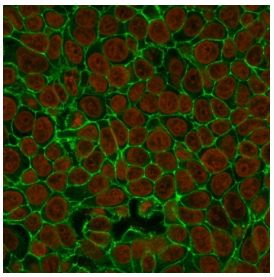
Flow cytometry testing of PFA-fixed human MCF7 cells with EpCAM antibody (clone VU-1D9); Red=isotype control, Blue= CF488-labeled EpCAM antibody.



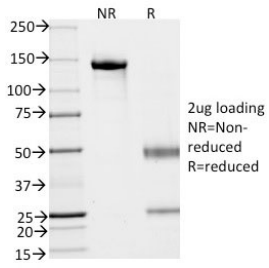
Flow cytometry testing of human MCF7 cells with (orange) and without (gray) CF555-labeled EpCAM antibody (clone VU-1D9).



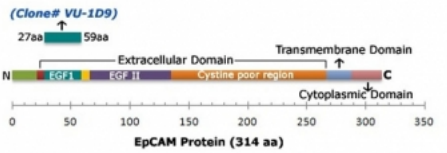
Flow cytometry testing of bead-bound exosomes derived from human MCF-7 cells with (orange) and without (gray) CF555-labeled EpCAM antibody (clone VU-1D9).



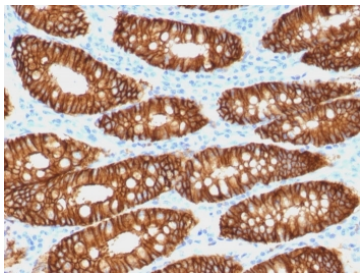
Immunofluorescent staining of human MCF7 cells with EpCAM antibody (clone VU-1D9, green) and Nucspot nuclear stain (red).



SDS-PAGE analysis of purified, BSA-free EpCAM antibody (clone VU-1D9) as confirmation of integrity and purity.



Schematic representation of the VU-1D9 EpCAM antibody epitope.



IHC testing of FFPE colon carcinoma stained with EpCAM antibody (clone VU-1D9).

Description

Epithelial cellular adhesion molecule (EpCAM), is also identified as epithelial specific antigen (ESA) and the 40kDa transmembrane epithelial glycoprotein EGP40. EpCAM is expressed on the baso-lateral cell surface in most simple epithelia and a vast majority of carcinomas. The VU-1D9 antibody has been used to distinguish adenocarcinoma from pleural mesothelioma and hepatocellular carcinoma. EpCAM antibody is also useful in distinguishing serous carcinomas of the ovary from mesothelioma.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the EpCAM antibody to be titered up or down for optimal performance.

1. Staining of formalin/paraffin tissues REQUIRES digestion of tissue sections with pepsin at 1mg/ml Tris-HCl, pH 2.0 for 15 min at RT or 10 min at 37oC.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.
3. View the recombinant version of this EpCAM antibody.

Immunogen

Small cell lung carcinoma cells were used as the immunogen for this EpCAM antibody VU-1D9.

Storage

Store the EpCAM antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

Adenocarcinoma-associated Antigen; Cell Surface Glycoprotein Trop-1; EGP2; EGP314; EGP40; Epithelial Cell Adhesion Molecule; Epithelial Glycoprotein 314; ESA; KSA; TACD1; TACSTD1; TROP1; Tumor-associated Calcium Signal Transducer 1, ECS-1, Epidermal Surface Antigen 1, ESA1, FLOT2, Flotillin-2, M17S1 (Membrane Component, Chromosome 17, Surface Marker-1), REG-1, Reggie-1, Reggie-2, EpCAM antibody

References (2)