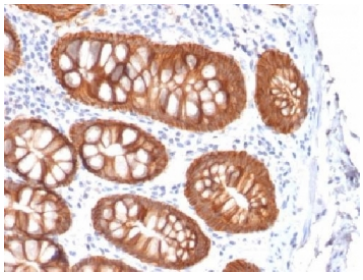
Recombinant Ep-CAM Antibody / Mouse Monoclonal [clone rVU-1D9] (V3465)

Catalog No.	Formulation	Size
V3465-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3465-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3465SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3465IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

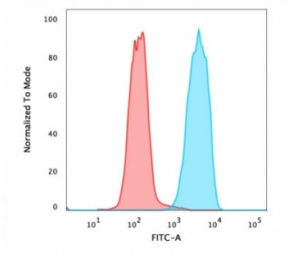
Recombinant MOUSE MONOCLONAL

Bulk quote request

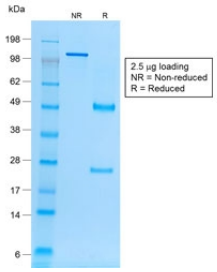
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rVU-1D9
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
UniProt	P16422
Gene ID	4072
Localization	Cell surface, cytoplasmic
Applications	Immunohistochemistry (FFPE) : 0.5-1ug/ml for 30 min at RT Flow Cytometry : 1-2ug/million cells
Limitations	This recombinant Ep-CAM antibody is available for research use only.



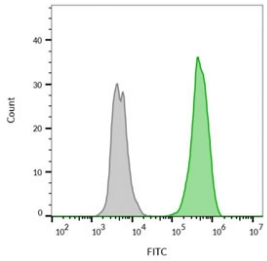
IHC testing of colon carcinoma with recombinant Ep-CAM antibody (clone rVU-1D9). Required HIER: boil tissue sections in 10mM citrate buffer, pH 6, for 10-20 min followed by cooling at RT for 20 min.



Flow cytometry testing of PFA-fixed human MCF7 cells with recombinant Ep-CAM antibody (clone rVU-1D9); Red=isotype control, Blue= recombinant Ep-CAM antibody.



SDS-PAGE analysis of purified, BSA-free recombinant Ep-CAM antibody (clone rVU-1D9) as confirmation of integrity and purity.



Flow cytometry testing of live human MCF7 cells with recombinant Ep-CAM antibody (clone rVU-1D9); Gray=unstained cells, Green= recombinant Ep-CAM antibody stained cells.

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 recombinant Ep-CAM antibody to be titered up or down for optimal performance.

1. 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.

Immunogen

Small cell lung carcinoma cells were used as the immunogen for this recombinant Ep-CAM antibody.

Storage

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

References (2)