

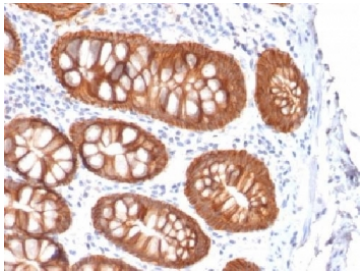
## Recombinant Ep-CAM Antibody / Mouse Monoclonal [clone rVU-1D9] (V3465)

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

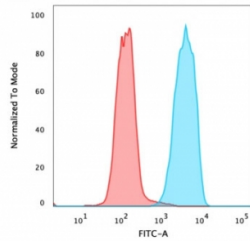
### Recombinant MOUSE MONOCLONAL

[Bulk quote request](#)

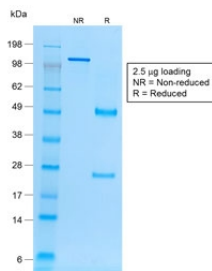
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rVU-1D9
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
UniProt	P16422
Gene ID	4072
Localization	Cell surface, cytoplasmic
Applications	Immunohistochemistry (FFPE) : 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.



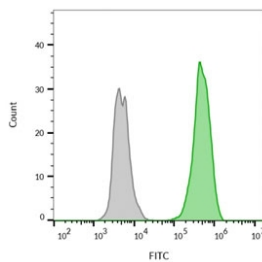
IHC testing of colon carcinoma with recombinant Ep-CAM antibody (clone rVU-1D9). Required HIER: boil tissue sections in 10mM citrate buffer, pH 6, for 10-20 min followed by cooling at RT for 20 min.



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 titrated 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)