EpCAM / CD326 (Epithelial Marker) Antibody

Mouse Monoclonal Antibody [Clone VU-1D9]

Catalog No	Format	Size
4072-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4072-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4072-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

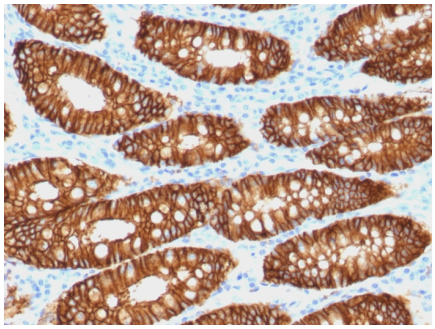
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

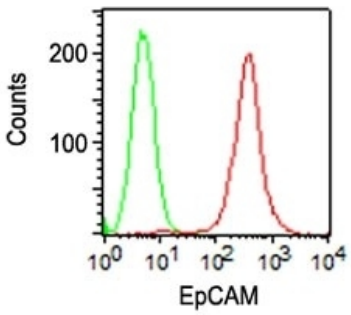
Clone	VU-1D9
Gene Name	EPCAM
Immunogen	Small cell lung carcinoma cells
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1
Mol. Weight of Antigen	40-43kDa
Cellular Localization	Cell junction, Cell surface, Lateral cell membrane, Tight junction
Species Reactivity	Human
Positive Control	HT29 cells or breast tumor, HT29 cells. Breast or Colon Carcinoma.

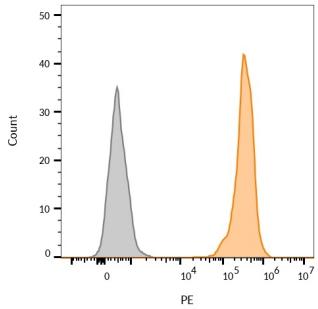
**Optimal dilution for a specific application should be determined.*

Product Images for EpCAM / CD326 (Epithelial Marker) Antibody

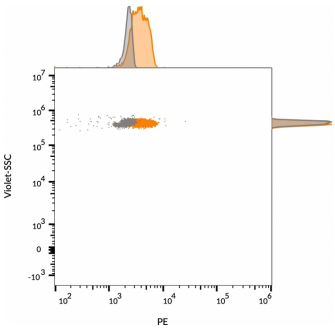


Formalin-fixed, paraffin-embedded human colon carcinoma stained with Biotin-conjugated Ep-CAM Mouse Monoclonal Antibody (VU-1D9).

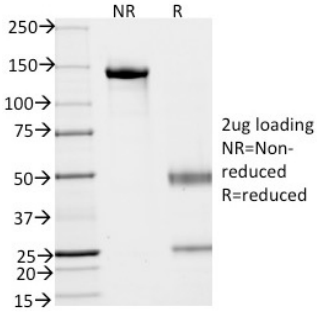




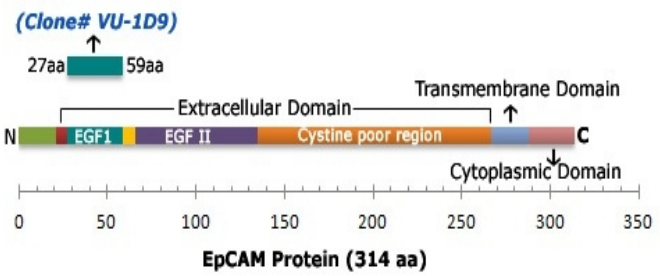
Flow cytometric analysis of MCF-7 cells. Unstained cells (gray); CF555-labeled Ep-CAM-stained cells (VU-1D9) (orange).



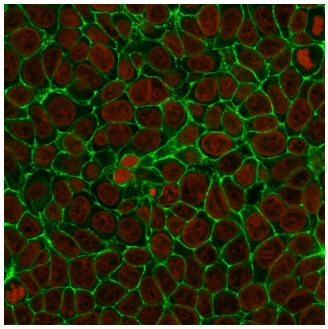
Flow cytometric analysis of bead-bound exosomes derived from MCF-7 cells. Unstained exosomes (gray); CF555-labeled EpCAM (VU-1D9) (orange).



SDS-PAGE Analysis of Purified EpCAM Mouse Monoclonal Antibody (VU1D9). Confirmation of Purity and Integrity of Antibody.



Schematic representation of EpCAM and epitope recognized by EpCAM Mouse Monoclonal Antibody (VU-1D9).



Immunofluorescence Analysis of MCF-7 cells. EpCAM Mouse Monoclonal Antibody (VU-1D9) labeled with CF488 (green); NucSpot is used to label the nuclei (red).

Specificity & Comments

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.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Stem Cell Differentiation

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

2 Union Square, Union City, CA 94587, Tel: 1-866-2-NEOBIO (1-866-263-6246)
orders@NeoBiotechnologies.com, www.NeoBiotechnologies.com

NeoBiotechnologies
Your Partner in Proteome Research