

Mouse anti-Human EpCAM Monoclonal Antibody | anti-EpCAM antibody

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

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78498	Mouse	Human	Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry

PRODUCT SYNONYMS

EpCAM; Monoclonal Antibody; Monoclonal Antibody to EpCAM (Clone: VU-1D9); Adenocarcinoma-associated antigen; Cell surface glycoprotein Trop-1; Epithelial cell surface antigen; EGP; Epithelial glycoprotein; EGP314; Epithelial glycoprotein 314; KS 1/4 antigen; KSA; Major gastrointestinal tumor-associated protein GA733-2; Tumor-associated calcium signal transducer 1; EPCAM; GA733-2; M1S2; M4S1; MIC18; TACSTD1; TROP1; Antibody to EpCAM; Anti-EpCAM Antibody; EpCAM Antibody; anti-EpCAM antibody

PRODUCT SPECIFICATIONS

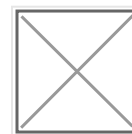
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	VU-1D9
Purity/Purification	Protein G Chromatography
Form/Format	100 ug in 500 ul PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Sequence Length	314
Applicable Applications for anti-EpCAM antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)
Antigen	EpCAM
Immunogen Information	The NC1-H69 human small cell lung carcinoma line was used as immunogen to generate the 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.
Preparation and Storage	Store the antibody at 4 degree C, stable for 6 months. For long-term storage, store at -20 degree C. Avoid repeated freeze and thaw cycles.

IMAGES



WB (Western Blot)

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



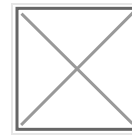
IHC (Immunohistochemistry)

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



IHC (Immunohistochemistry)

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



Application Data

Figure-1: Surface staining of HT29 cells using EpCAM antibody (red) and isotype control antibody (green) at 0.2 ug/10⁶ cells (Clone: VU-1D9).

ADDITIONAL INFORMATION

Related Product Information for anti-EpCAM antibody	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 Categories/Family for anti-EpCAM antibody	Antibodies ; Cancer Marker

NCBI AND UNIPROT INFORMATION

NCBI GI #	218505670
NCBI GeneID	4072
NCBI Accession #	NP_002345.2
NCBI GenBank Nucleotide #	NP_002345.2
UniProt Accession #	P16422
NCBI Official Full Name	epithelial cell adhesion molecule
NCBI Official Synonym Full Names	epithelial cell adhesion molecule
NCBI Official Symbol	EPCAM
NCBI Official Synonym Symbols	ESA; KSA; M4S1; MK-1; DIAR5; EGP-2; EGP40; KS1/4; MIC18; TROP1; EGP314; HNPCC8; TACSTD1
NCBI Protein Information	epithelial cell adhesion molecule
UniProt Protein Name	Epithelial cell adhesion molecule
UniProt Gene Name	EPCAM
UniProt Synonym Gene Names	GA733-2; M1S2; M4S1; MIC18; TACSTD1; TROP1; Ep-CAM; EGP; EGP314; hEGP314
UniProt Entry Name	EPCAM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/epcam-antibody-clone-vu-1d9-western-blot-flow-cytometry-immunohistochemistry-elisa/78498>