Product datasheet

anti-EP-CAM mouse monoclonal, VU-1D9, ascites fluid

Short overview

Cat. No.	16114
Quantity	1 ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	VU-1D9
Immunogen	Isolated from small cell lung carcinoma-derived cell line (NC1-H69)
Formulation	Contains 0.09% sodium azide
Note	Centrifuge prior to opening
Conjugate	Unconjugated
Purification	Ascites
Storage	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	ICC/IF, IHC, WB
Reactivity	Human

Applications

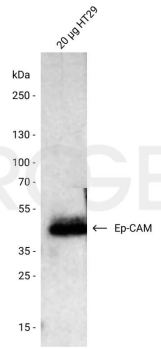
Immunocytochemistry (ICC)	Assay dependent
Immunohistochemistry (IHC) - frozen	1:10-1:20
Immunohistochemistry (IHC) - paraffin	1:10-1:20 (microwave treatment recommended)
Western Blot (WB)	1:200-1:5.000

Background

Ep-CAM (homophylic cell-cell adhesion molecule, also named ESA, EGP40, 17-1A antigen, KSA, GA7333-2) is a 40 kD epithelial protein expressed on the baso-lateral cell surface of many epithelial tissues. It is a transmembrane glycoprotein with 3 potential glycosyla-tion sites. The extracellular domain has a cysteine-rich repeat and a small domain with homology to nidogen. Antibody stains most epithelial cells and carcinoma derived therefrom.

Positive control: breast carcinoma.

Product images



Western blot analysis of human HT29 cell lysate with anti-Ep-CAM antibody. Western blot analysis was performed on 20 µg of HT29 lysate. Cells were lysed with RIPA buffer. The PVDF membrane was blocked with 5% dry milk in PBST (PBS + 0.1% Tween 20) for 1 h at RT. The primary antibodyanti-EP-CAM mouse monoclonal, VU-1D9 (Cat. No. 16114) was diluted in blocking buffer (1:5.000) and incubated for 1 h at RT. The secondary antibody anti-mouse IgG goat polyclonal, HRP conjugate was also diluted in blocking buffer (antibody concentration 0.2 µg/ml) and incubated for 1 h at RT. The bands were visualized by chemiluminescent detection using PierceTM ECL Western Blotting Substrate.