

## 10-7578: Monoclonal antibody to EpCAM (Clone: ABM4D85 )

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	ABM4D85
<b>Application :</b>	FACS,WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	EPCAM
<b>Gene ID :</b>	4072
<b>Uniprot ID :</b>	P16422
<b>Format :</b>	Purified
<b>Alternative Name :</b>	EPCAM,GA733-2,M1S2,M4S1,MIC18,TACSTD1,TROP1
<b>Isotype :</b>	Mouse IgG2a Kappa
<b>Immunogen Information :</b>	A partial length recombinant human EpCAM protein (amino acids 11-236 ) was used as the immunogen for this antibody.

### Description

EpCAM is a Mr 40,000, type I transmembrane glycoprotein that consists of two epidermal growth factor-like extracellular domains, a cysteine-poor region, a transmembrane domain, and a short cytoplasmic tail. EpCAM is encoded by the GA733-2 gene located on the long arm of chromosome 4. EpCAM has been described by various names, including those associated with monoclonal antibodies specific for the cell surface antigen (MH99, AUA1, MOC31, 323/A3, KS1/4, GA733, and HEA125) and cDNA clones used to define the antigen KS 1/4, EGP, EGP40, and GA733-2.

### Product Info

<b>Amount :</b>	25 µg / 100 µg
<b>Purification :</b>	Protein G Chromatography
<b>Content :</b>	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

Western blot analysis: 0.01-0.02 µg/ml, Flowcytometric analysis: 0.5-1 µg/10<sup>6</sup> cells

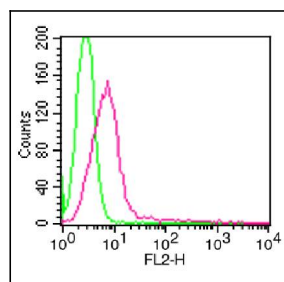


Fig:1- Cell surface flowcytometric analysis of EpCAM in HT 29 Cell line using 0.5 µg/10<sup>6</sup> cells of Anti- EpCAM antibody (Clone: ABM4D85). Green represent isotype control and Red represent Anti-EpCAM antibody (10-7578 Abeomics). Goat Anti-Mouse PE conjugated was used as the secondary control.

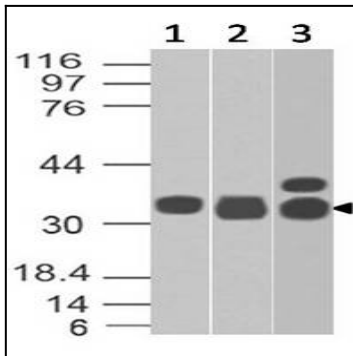


Figure-2: Expression analysis of EpCAM. EpCAM antibody (Clone: ABM4D85) was tested at 0.01  $\mu\text{g/ml}$  on (1) HeLa, (2) h Kidney and (3) MCF-7 Lysates.