

Anti-EpCAM Antibody (4H719)

Product Details

Ig Type:	Mouse IgG2a
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	4H719
Purification:	Affinity-chromatography

Applications

Verified Activity:	<p>1. IHC image of TMAH-00398 diluted at 1:100 and staining in paraffin-embedded human endometrial cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-Mouse IgG labeled by HRP and visualized using 0.05% DAB.</p> <p>2. Overlay Peak curve showing MCF7 cells surface stained with TMAH-00398 (red line) at 1:100. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1μg/1*10⁶ cells) for 45min at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/200 dilution for 35 min at 4°C. Isotype control antibody (green line) was mouse IgG1 (1μg/1*10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.</p>
Application:	ELISA,FCM,IHC
Recommended	IHC:1:20-1:200; FCM:1:20-1:200.

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human EPCAM Protein
Antigen Species:	Human
Gene ID:	4072
Uniprot ID:	P16422
Synonyms:	EGP40;EGP314;EGP-2;KS1/4;MK-1;MIC18;TACSTD1;KSA;TROP-1;M4S1;HNPCC8;ESA;TROP1;DIAR5;epithelial cell adhesion molecule
Biology Area:	Tags & Cell Markers

Research Background

May act as a physical homophilic interaction molecule between intestinal epithelial cells (IECs) and intraepithelial lymphocytes (IELs) at the mucosal epithelium for providing immunological barrier as a first line of defense against mucosal infection. Plays a role in embryonic stem cells proliferation and differentiation. Up-regulates the expression

A DRUG SCREENING EXPERT

of FABP5, MYC and cyclins A and E.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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