

Anti-CEACAM5 Antibody (1V100)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	1V100
Purification:	Affinity-chromatography

Applications

Verified Activity:	<p>1. Immunofluorescence staining of Hela cell with TMAH-00260 at 1:150, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-human IgG(H+L).</p> <p>2. Immunofluorescence staining of MCF7 cell with TMAH-00260 at 1:150, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-human IgG(H+L).</p> <p>3. Overlay Peak curve showing Hela cells surface stained with TMAH-00260 (red line) at 1:100. Then 10% normal goat serum was incubated to block non-specific protein-protein interactions followed by the antibody (1µg/1*10⁶ cells) for 45 min at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-human IgG(H+L) at 1/200 dilution for 35 min at 4°C. Isotype control antibody (green line) was human IgG1 (1µg/1*10⁶ cells) used under the same conditions. Acquisition of >10,026 events was performed.</p>
Application:	ELISA, IF, FCM
Recommended	IF: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 CEACAM5 Protein
Antigen Species:	Human
Gene ID:	1048
Uniprot ID:	P06731
Synonyms:	CD66e;carcinoembryonic antigen-related cell adhesion molecule 5;CEA
Biology Area:	Cancer, Tags & Cell Markers, Immunology, Stem cells

Research Background

Cell surface glycoprotein that plays a role in cell adhesion, intracellular signaling and tumor progression. Mediates

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homophilic and heterophilic cell adhesion with other carcinoembryonic antigen-related cell adhesion molecules, such as CEACAM6. Plays a role as an oncogene by promoting tumor progression; induces resistance to anoikis of colorectal carcinoma cells. (Microbial infection) Receptor for E.coli Dr adhesins. Binding of E.coli Dr adhesins leads to dissociation of the homodimer.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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