9853 Pacific Heights Blvd.
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12-9613: Anti-CEACAM5 antibody(1B5), IgG1 Chimeric mAb

Clonality :	Monoclonal
Clone Name :	1B5
Application :	WB
Reactivity :	Human
Gene :	CEACAM5
Uniprot ID :	P06731
Alternative Name :	CEACAM-5;CD66e;CEA;Meconium antigen 100
Isotype :	Rabbit/Human Fc chimeric IgG1

Description

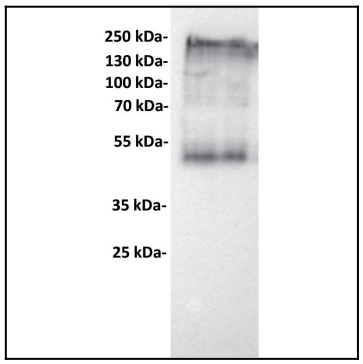
This gene encodes a cell surface glycoprotein that represents the founding member of the carcinoembryonic antigen (CEA) family of proteins. The encoded protein is used as a clinical biomarker for gastrointestinal cancers and may promote tumor development through its role as a cell adhesion molecule. Additionally, the encoded protein may regulate differentiation, apoptosis, and cell polarity. This gene is present in a CEA family gene cluster on chromosome 19. Alternative splicing results in multiple transcript variants.

Product Info

Amount :	10µg / 100 µg
Purification :	Purified from cell culture supernatant by affinity chromatography
Content :	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage condition :	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

Application Note

WB 1:1000



"Figure 1.Anti-CEACAM5 antibody (Cat# 12-9613) at 1/1000 dilution Lane : HT55, whole cell lysate Secondary : Goat Anti-Rabbit IgG H&L (HRP) at 1/5000 dilution Predicted band size: 76kDa Observed band size: 50□250 kDa"

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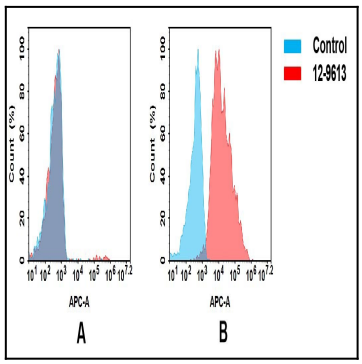


Figure 2. Flow cytometry analysis of antigen binding of anti-human CEACAM5 mAb(12-9613). (A)12-9613 does not bind to CHO-S cells that do not express CEACAM5. (B) A clear peak shift of 12-9613 was seen compared to the control when incubated with CEACAM5-expressing MKN45 cells, indicating strong binding of 12-9613 to CEACAM5. Antibodies were incubated at 5 µg/mL.

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