

**CD66e Monoclonal Antibody**

<b>Catalog No :</b>	YM0130
<b>Reactivity :</b>	Human
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	CEA
<b>Gene Name :</b>	CEACAM5
<b>Protein Name :</b>	Carcinoembryonic antigen-related cell adhesion molecule 5
<b>Human Gene Id :</b>	1048
<b>Human Swiss Prot No :</b>	P06731
<b>Mouse Swiss Prot No :</b>	Q3UKK2
<b>Immunogen :</b>	Purified recombinant fragment of human CD66e expressed in E. Coli.
<b>Specificity :</b>	CD66e Monoclonal Antibody detects endogenous levels of CD66e protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:200 - 1:1000. ELISA: 1:10000.. IF 1:50-200
<b>Purification :</b>	Affinity purification
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	77kD
<b>P References :</b>	1. Scand J Clin Lab Invest. 2008;68(8):703-13. 2. Xi Bao Yu Fen Zi Mian Yi Xue Za Zhi. 2008 Apr;24(4):370-2. Chinese.

**Background :**

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. [provided by RefSeq, Jul 2015],

**Function :**

function:Cell surface glycoprotein that plays a role in cell adhesion and in intracellular signaling. Receptor for E.coli Dr adhesins.,PTM:Complex immunoreactive glycoprotein with a MW of 180 kDa comprising 60% carbohydrate.,similarity:Belongs to the immunoglobulin superfamily. CEA family.,similarity:Contains 7 Ig-like (immunoglobulin-like) domains.,subunit:Homodimer. Binding of E.coli Dr adhesins leads to dissociation of the homodimer.,tissue specificity:Found in adenocarcinomas of endodermally derived digestive system epithelium and fetal colon.,

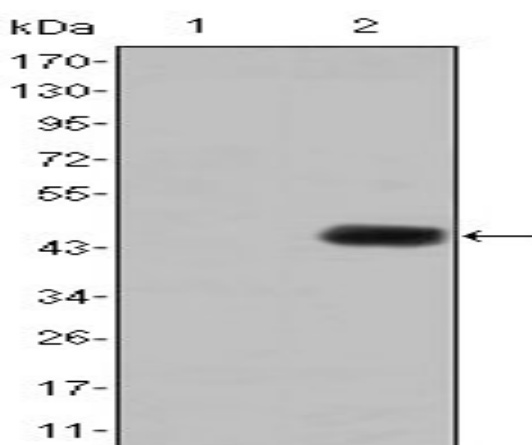
**Subcellular Location :**

Cell membrane ; Lipid-anchor, GPI-anchor . Apical cell membrane . Cell surface . Localized to the apical glycocalyx surface. .

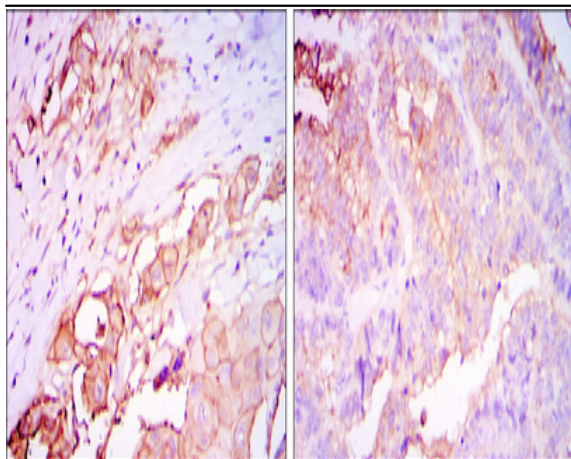
**Expression :**

Expressed in columnar epithelial and goblet cells of the colon (at protein level) (PubMed:10436421). Found in adenocarcinomas of endodermally derived digestive system epithelium and fetal colon.

## Products Images



Western Blot analysis using CD66e Monoclonal Antibody against HEK293 (1) and CEA-hlgGfc transfected HEK293 (2) cell lysate.



Immunohistochemistry analysis of paraffin-embedded rectum cancer tissues (left) and stomach cancer tissues (right) with DAB staining using CD66e Monoclonal Antibody.

