

# Carcinoembryonic Antigen Monoclonal Antibody(10E1)

Catalog # AP63315

## Product Information

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Application	IHC-P, IF
Primary Accession	<a href="#">P06731</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	76796

## Additional Information

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Gene ID	1048
Other Names	CEACAM5; CEA; Carcinoembryonic antigen-related cell adhesion molecule 5; Carcinoembryonic antigen; CEA; Meconium antigen 100; CD66e
Dilution	IHC-P~~IHC 1:200 IF 1:50-200 IF~~1:50~200
Format	PBS, pH 7.4, containing 0.09% (W/V) sodium azide as Preservative and 50% Glycerol.
Storage Conditions	-20°C

## Protein Information

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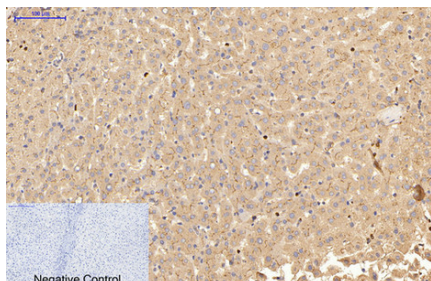
Name	CEACAM5 ( <a href="#">HGNC:1817</a> )
Function	Cell surface glycoprotein that plays a role in cell adhesion, intracellular signaling and tumor progression (PubMed: <a href="#">10864933</a> , PubMed: <a href="#">10910050</a> , PubMed: <a href="#">2803308</a> ). Mediates homophilic and heterophilic cell adhesion with other carcinoembryonic antigen-related cell adhesion molecules, such as CEACAM6 (PubMed: <a href="#">2803308</a> ). Plays a role as an oncogene by promoting tumor progression; induces resistance to anoikis of colorectal carcinoma cells (PubMed: <a href="#">10910050</a> ).
Cellular Location	Cell membrane; Lipid-anchor, GPI-anchor. Apical cell membrane. Cell surface Note=Localized to the apical glycocalyx surface
Tissue Location	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.

## Background

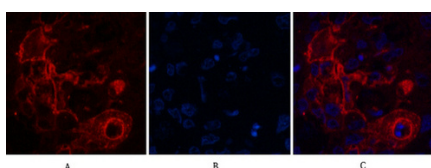
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Cell surface glycoprotein that plays a role in cell adhesion, intracellular signaling and tumor progression (PubMed:[2803308](#), PubMed:[10910050](#), PubMed:[10864933](#)). Mediates homophilic and heterophilic cell adhesion with other carcinoembryonic antigen-related cell adhesion molecules, such as CEACAM6 (PubMed:[2803308](#)). Plays a role as an oncogene by promoting tumor progression; induces resistance to anoikis of colorectal carcinoma cells (PubMed:[10910050](#)).

## Images



Immunohistochemical analysis of paraffin-embedded Human-liver tissue. 1, Carcinoembryonic Antigen Monoclonal Antibody(10E1) was diluted at 1:200(4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C, 20min). 3, Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunofluorescence analysis of Human-lung-cancer tissue. 1, Carcinoembryonic Antigen Monoclonal Antibody(10E1)(red) was diluted at 1:200(4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min). 3, Picture B: DAPI(blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



IHC staining of human colon cancer tissue, diluted at 1:200.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.