

Carcinoembryonic Antigen Monoclonal Antibody(10E1)
Catalog # AP63315**Specification****Carcinoembryonic Antigen Monoclonal Antibody(10E1) - Product Information**

Application	IHC-P, IF
Primary Accession	P06731
Reactivity	Human
Host	Mouse
Clonality	Monoclonal

Carcinoembryonic Antigen Monoclonal Antibody(10E1) - Additional Information**Gene ID** 1048**Other Names**

CEACAM5; CEA; Carcinoembryonic antigen-related cell adhesion molecule 5; Carcinoembryonic antigen; CEA; Meconium antigen 100; CD66e

Dilution

IHC-P~~N/A

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

Carcinoembryonic Antigen Monoclonal Antibody(10E1) - Protein Information**Name** CEACAM5 ([HGNC:1817](#))**Function**

Cell surface glycoprotein that plays a role in cell adhesion, intracellular signaling and tumor progression (PubMed:<[a href="http://www.uniprot.org/citations/10864933" target="_blank">10864933](http://www.uniprot.org/citations/10864933), PubMed:<[a href="http://www.uniprot.org/citations/10910050" target="_blank">10910050](http://www.uniprot.org/citations/10910050), PubMed:<[a href="http://www.uniprot.org/citations/2803308" target="_blank">2803308](http://www.uniprot.org/citations/2803308)). Mediates homophilic and heterophilic cell adhesion with other carcinoembryonic antigen-related cell adhesion molecules, such as CEACAM6 (PubMed:<[a href="http://www.uniprot.org/citations/2803308" target="_blank">2803308](http://www.uniprot.org/citations/2803308)). Plays a role as an oncogene by promoting tumor progression; induces resistance to anoikis of colorectal carcinoma cells (PubMed:<[a href="http://www.uniprot.org/citations/10910050" target="_blank">10910050](http://www.uniprot.org/citations/10910050)).

Cellular Location

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

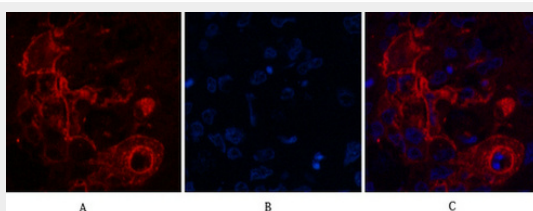
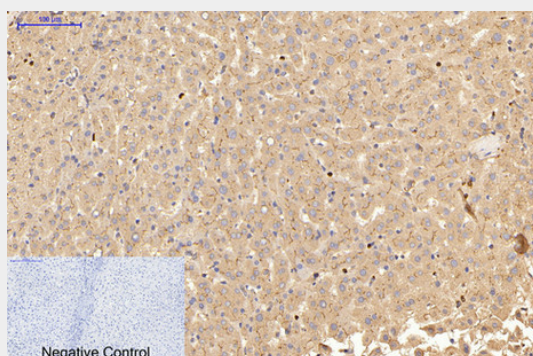
Tissue Location

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.

Carcinoembryonic Antigen Monoclonal Antibody(10E1) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Carcinoembryonic Antigen Monoclonal Antibody(10E1) - Images

Carcinoembryonic Antigen Monoclonal Antibody(10E1) - Background

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).