

Anti-CEA (CD66e) CEACAM5 Rabbit Monoclonal Antibody
Catalog # ABO14100

Specification

Anti-CEA (CD66e) CEACAM5 Rabbit Monoclonal Antibody - Product Information

Application	WB, IHC, IF, ICC
Primary Accession	P06731
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid

Description

Anti-CEA (CD66e) CEACAM5 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human.

Anti-CEA (CD66e) CEACAM5 Rabbit Monoclonal Antibody - Additional Information

Gene ID 1048

Other Names

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

Calculated MW

76795 MW KDa

Application Details

WB 1:500-1:2000
IHC 1:50-1:200
ICC/IF 1:50-1:200

Subcellular Localization

Cell membrane ; Lipid-anchor, GPI-anchor.

Tissue Specificity

Found in adenocarcinomas of endodermally derived digestive system epithelium and fetal colon.

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human CEA (CD66e)

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated

freeze-thaw cycles.

Anti-CEA (CD66e) CEACAM5 Rabbit Monoclonal Antibody - Protein Information

Name CEACAM5 ([HGNC:1817](#))

Function

Cell surface glycoprotein that plays a role in cell adhesion, intracellular signaling and tumor progression (PubMed: [10864933](http://www.uniprot.org/citations/10864933), PubMed: [10910050](http://www.uniprot.org/citations/10910050), PubMed: [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: [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: [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

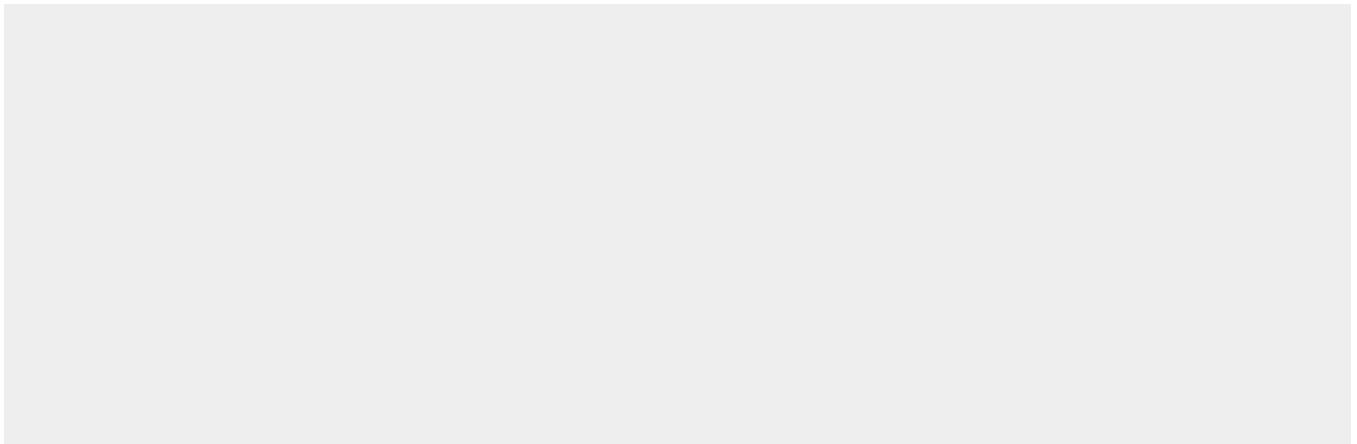
Expressed in columnar epithelial and goblet cells of the colon (at protein level) (PubMed:10436421). Found in adenocarcinomas of endodermally derived digestive system epithelium and fetal colon.

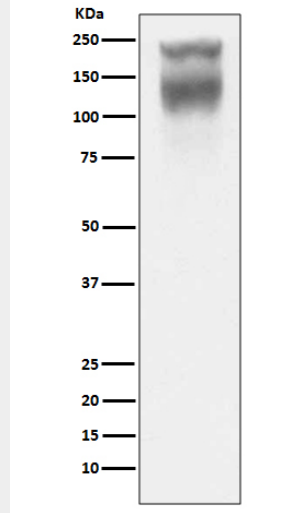
Anti-CEA (CD66e) CEACAM5 Rabbit Monoclonal Antibody - Protocols

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

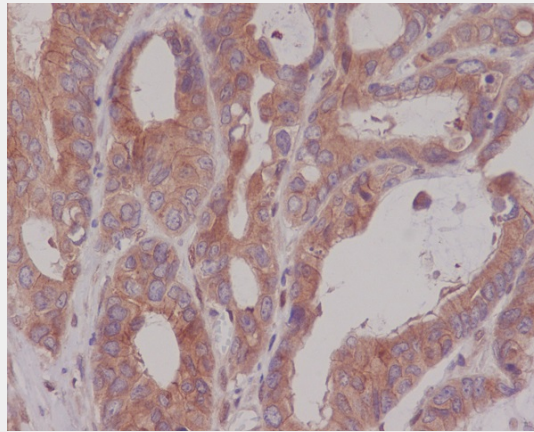
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-CEA (CD66e) CEACAM5 Rabbit Monoclonal Antibody - Images

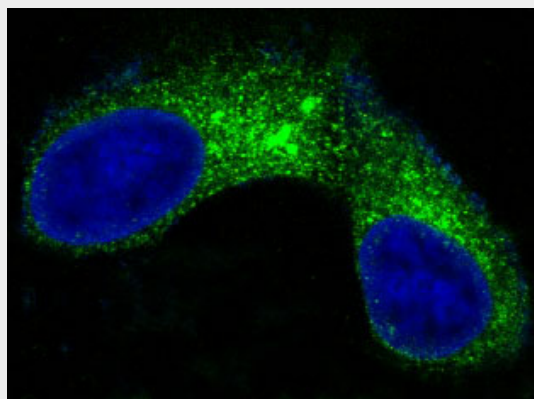




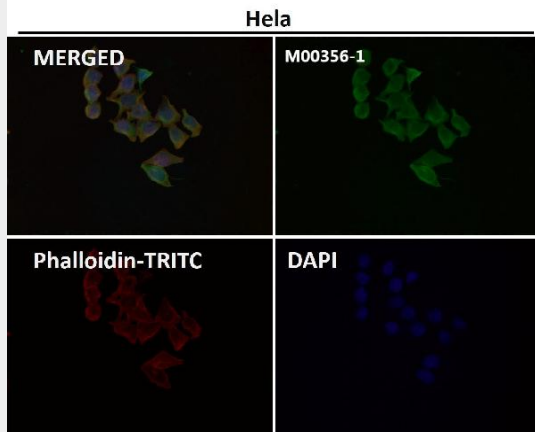
Western blot analysis of CEA(CD66e) expression in Human colon cancer lysate.



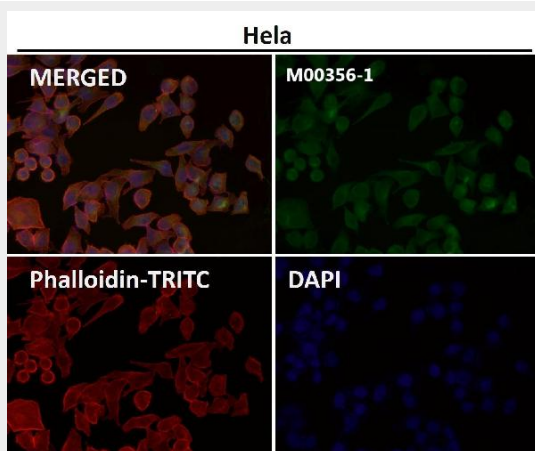
Immunohistochemical analysis of paraffin-embedded human colon carcinoma, using CEA(CD66e) Antibody.



Immunofluorescent analysis of MCF-7 cells, using CEA(CD66e) Antibody.



Immunofluorescent analysis using the Antibody at 1:50 dilution.



Immunofluorescent analysis using the Antibody at 1:150 dilution.