

CEA Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP6513c**Specification**

CEA Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P06731](#)**CEA Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 1048**Other Names**

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

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6513c](/products/AP6513c) was selected from the Center region of human CEA. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CEA Antibody (Center) Blocking Peptide - Protein Information**Name** CEACAM5**Synonyms** CEA**Function**

Cell surface glycoprotein that plays a role in cell adhesion, intracellular signaling and tumor progression (PubMed: [2803308](http://www.uniprot.org/citations/2803308), PubMed: [10910050](http://www.uniprot.org/citations/10910050), PubMed: [10864933](http://www.uniprot.org/citations/10864933)). 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))

target="_blank">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.

CEA Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CEA Antibody (Center) Blocking Peptide - Images**CEA Antibody (Center) Blocking Peptide - Background**

CEA is a cell surface glycoprotein that plays a role in cell adhesion and in intracellular signaling. It is a receptor for E.coli Dr adhesins.

CEA Antibody (Center) Blocking Peptide - References

Lagoudianakis,E.E., J. Surg. Res. 155 (2), 183-190 (2009)Gambichler,T., Am. J. Clin. Pathol. 131 (6), 782-787 (2009)