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CEACAM6 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP17875c

Specification

CEACAM6 Antibody (Center) Blocking Peptide - Product Information

Primary Accession P40199

CEACAM6 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 4680

Other Names
Carcinoembryonic antigen-related cell adhesion molecule 6, Non-specific crossreacting antigen, Normal cross-reacting antigen, CD66c, CEACAM6, NCA

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.

CEACAM6 Antibody (Center) Blocking Peptide - Protein Information

Name CEACAM6

Synonyms NCA

Function
Cell surface glycoprotein that plays a role in cell adhesion and tumor progression (PubMed:2803308, PubMed:2022629, PubMed:1378450, PubMed:8776764, PubMed:11590190, PubMed:10910050, PubMed:14724575, PubMed:16204051). Intercellular adhesion occurs in a calcium- and fibronectin-independent manner (PubMed:2022629, PubMed:16204051). Mediates homophilic and heterophilic cell adhesion with other carcinoembryonic antigen-related cell adhesion molecules, such as CEACAM5 and CEACAM8 (PubMed:2803308, PubMed:<a

href="http://www.uniprot.org/citations/2022629" target="_blank">2022629, PubMed:8776764, PubMed:11590190, PubMed:16204051). Heterophilic interaction with CEACAM8 occurs in activated neutrophils (PubMed:8776764). Plays a role in neutrophil adhesion to cytokine-activated endothelial cells (PubMed:1378450). Plays a role as an oncogene by promoting tumor progression; positively regulates cell migration, cell adhesion to endothelial cells and cell invasion (PubMed:16204051). Also involved in the metastatic cascade process by inducing gain resistance to anoikis of pancreatic adenocarcinoma and colorectal carcinoma cells (PubMed:10910050, PubMed:14724575).

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

Tissue Location
Expressed in neutrophils (PubMed:1378450). Expressed in columnar epithelial and goblet cells of the colon (PubMed:10436421). Expressed in numerous tumor cell lines (at protein level) (PubMed:16204051).

CEACAM6 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

CEACAM6 Antibody (Center) Blocking Peptide - Images

CEACAM6 Antibody (Center) Blocking Peptide - Background

Carcinoembryonic antigen (CEA; MIM 114890) is one of themost widely used tumor markers in serum immunoassay determinationsof carcinoma. An apparent lack of absolute cancer specificity forCEA probably results in part from the presence in normal andneoplastic tissues of antigens that share antigenic determinantswith the 180-kD form of CEA (Barnett et al., 1988 [PubMed3220478]). For background information on the CEA family of genes,see CEACAM1 (MIM 109770).

CEACAM6 Antibody (Center) Blocking Peptide - References

Wang, Y., et al. J. Clin. Invest. 119(6):1604-1615(2009)Kolla, V., et al. Am. J. Physiol. Lung Cell Mol. Physiol. 296 (6), L1019-L1030 (2009) :Litkouhi, B., et al. Gynecol. Oncol. 109(2):234-239(2008)Owaidah, T.M., et al. Hematol Oncol Stem Cell Ther 1(1):34-37(2008)Skubitz, K.M., et al. J Transl Med 6, 78 (2008) :