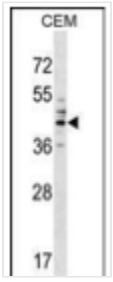
CEACAM6 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CEACAM6, Polyclonal Antibody
Full Product Name	CEACAM6, ID (CEACAM6, NCA, Carcinoembryonic antigen-related cell adhesion molecule 6, Non-specific crossreacting antigen, Normal cross-reacting antigen, CD66c) (Azide free) (HRP)
Product Gene Name	anti-CEACAM6 antibody
Product Synonym Names	CEACAM6; NCA; Carcinoembryonic antigen-related cell adhesion molecule 6; Non-specific crossreacting antigen; Normal cross-reacting antigen; CD66c
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A and Peptide Affinity Chromatography.
Specificity	Recognizes human CEACAM6.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	37,195 Da
OMIM	M29541 mRNA
3D Structure	ModBase 3D Structure for P40199
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 188-214 in the cental region of human CEACAM6, UniProt Accession #P40199; NP_002474.3.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-CEACAM6 antibody	Antibodies; CD Markers
Applications Tested/Suitable for anti-CEACAM6 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-CEACAM6 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-CEACAM6 antibody	Carcinoembryonic antigen (CEA; MIM 114890) is one of the most widely used tumor markers in serum immunoassay determinations of carcinoma. An apparent lack of absolute cancer specificity for CEA probably results in part from the presence in normal and neoplastic tissues of antigens that share antigenic determinants with the 180-kD form of CEA (Barnett et al., 1988 [PubMed 3220478]). For background information on the CEA family of genes, see CEACAM1 (MIM 109770).

Product References and Citations for anti-CEACAM6 antibody	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).
Other Notes	Small volumes of anti-CEACAM6 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CEACAM6 purchase	MBS6284934 is an antibody targeting CEACAM6. Also known as CEACAM6, ID (CEACAM6, NCA, Carcinoembryonic antigen-related cell adhesion molecule 6, Non-specific crossreacting antigen, Normal cross-reacting antigen, CD66c) (Azide free) (HRP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-CEACAM6 antibody
Western blot analysis in CEM cell line lysates (35ug/lane) usingMBS6003599. This demonstrates the CEACAM6 antibody detected the CEACAM6 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CEACAM6. It may not necessarily be applicable to this product.

NCBI GI #	40255013
NCBI GeneID	4680
NCBI Accession #	NP_002474.3
UniProt Primary Accession #	P40199
UniProt Secondary Accession #	Q13774; Q14920; Q53XP7
UniProt Related Accession #	P40199
GenBank Nucleotide #	NM_002483.5
NCBI Official Full Name	carcinoembryonic antigen-related cell adhesion molecule 6
NCBI Official Synonym Full Names	carcinoembryonic antigen related cell adhesion molecule 6
NCBI Official Symbol	CEACAM6
NCBI Official Synonym Symbols	NCA; CEAL; CD66c
UniProt Protein Name	Carcinoembryonic antigen-related cell adhesion molecule 6
UniProt Synonym Protein Names	Non-specific crossreacting antigen; Normal cross-reacting antigen; CD_antigen: CD66c
Protein Family	Carcinoembryonic antigen-related cell adhesion molecule
UniProt Gene Name	CEACAM6
UniProt Synonym Gene Names	NCA
NCBI Protein Information	carcinoembryonic antigen-related cell adhesion molecule 6

NCBI Summary for CEACAM6	This gene encodes a protein that belongs to the carcinoembryonic antigen (CEA) family whose members are glycosyl phosphatidyl inositol (GPI) anchored cell surface glycoproteins. Members of this family play a role in cell adhesion and are widely used as tumor markers in serum immunoassay determinations of carcinoma. This gene affects the sensitivity of tumor cells to adenovirus infection. The protein encoded by this gene acts as a receptor for adherent-invasive E. coli adhesion to the surface of ileal epithelial cells in patients with Crohn's disease. This gene is clustered with genes and pseudogenes of the cell adhesion molecules subgroup of the CEA family on chromosome 19. [provided by RefSeq, Apr 2014]
UniProt Comments for CEACAM6	CEACAM6: a glycosylphosphatidylinositol(GPI)-linked glycoprotein implicated in a variety of human cancers. Expressed on epithelial cells of various tissues, especially colon, lung, pancreas, trachea, and bone marrow. Participates in innate immune defense, cell proliferation and differentiation. Expressed at high levels in gastrointestinal tract, pancreatic and lung tumors. CEACAM6 promotes tumor angiogenesis in gastric cancer. May enhance invasiveness and metastatic potential in gastric and pancreatic cancer by promoting EMT via PI3K/AKT signaling. Upregulated by the pro-inflammatory cytokine IL-6. Belongs to the immunoglobulin superfamily/CEA family. Protein type: Membrane protein, GPI anchor; Membrane protein, integral Chromosomal Location of Human Ortholog: 19q13.2 Cellular Component: extracellular space; integral to plasma membrane; plasma membrane Molecular Function: protein binding Biological Process: cell-cell signaling; leukocyte migration; positive regulation of cell migration; positive regulation of cell proliferation; signal transduction
Research Articles on CEACAM6	**1.** Studies provide evidence that dysregulated overexpression of CEACAM6 plays a role in several of the hallmarks of cancer, including uncontrolled proliferation, anoikis resistance, immune evasion, invasion and metastasis. [review]
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