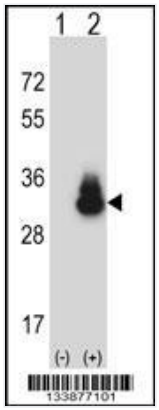
CEACAM3 Antibody – Rabbit Polyclonal

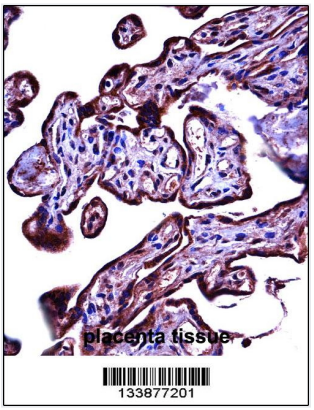
PRODUCT OVERVIEW

Product Name	CEACAM3, Polyclonal Antibody
Full Product Name	CEACAM3, CT (CEACAM3, CD66D, CGM1, Carcinoembryonic antigen-related cell adhesion molecule 3, Carcinoembryonic antigen CGM1, CD66d) (PE)
Product Gene Name	anti-CEACAM3 antibody
Product Synonym Names	CEACAM3; CD66D; CGM1; Carcinoembryonic antigen-related cell adhesion molecule 3; Carcinoembryonic antigen CGM1; CD66d
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 R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	22,754 Da
OMIM	609142
3D Structure	ModBase 3D Structure for P40198
Immunogen	CEACAM3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 162-191 amino acids from the C-terminal region of human CEACAM3.
Conjugate	PE
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-CEACAM3 antibody	Antibodies; CD Markers
Applications Tested/Suitable for anti-CEACAM3 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-CEACAM3 antibody	IHC: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-CEACAM3 antibody	This gene encodes a member of the family of carcinoembryonic antigen-related cell adhesion molecules (CEACAMs), which are used by several bacterial pathogens to bind and invade host cells. The encoded transmembrane protein directs phagocytosis of several bacterial species that is dependent on the small GTPase Rac. It is thought to serve an important role in controlling human-specific pathogens by the innate immune system. Alternatively spliced transcript variants have been described, but their biological validity has not been determined.

Product References and Citations for anti-CEACAM3 antibody	Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010): Tsavaris, N., et al. J Chemother 21(6):673-680(2009). Skubitz, K.M., et al. J Transl Med 6, 78 (2008): Stern-Ginossar, N., et al. J. Immunol. 179(7):4424-4434(2007). Ali, C.W., et al. J Gastrointest Cancer 38 (2-4), 108-114 (2007).
Other Notes	Small volumes of anti-CEACAM3 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 CEACAM3 purchase	MBS6284929 is an antibody targeting CEACAM3. Also known as CEACAM3, CT (CEACAM3, CD66D, CGM1, Carcinoembryonic antigen-related cell adhesion molecule 3, Carcinoembryonic antigen CGM1, CD66d) (PE). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-CEACAM3 antibody
Western blot analysis of CEACAM3 (arrow) using rabbit polyclonal CEACAM3 Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CEACAM3 gene.



Immunohistochemistry (IHC) of anti-CEACAM3 antibody
CEACAM3 Antibody (C-term) (AP13855b)immunohistochemistry analysis in formalin fixed and paraffin embedded human placenta tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of CEACAM3 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CEACAM3. It may not necessarily be applicable to this product.

NCBI GI #	121114300
NCBI GeneID	1084
NCBI Accession #	NP_001806.2
UniProt Primary Accession #	P40198
UniProt Secondary Accession #	Q3KPH9; G5E978
UniProt Related Accession #	P40198
GenBank Nucleotide #	NM_001815.4
NCBI Official Full Name	carcinoembryonic antigen-related cell adhesion molecule 3 isoform 1
NCBI Official Synonym Full Names	carcinoembryonic antigen-related cell adhesion molecule 3
NCBI Official Symbol	CEACAM3
NCBI Official Synonym Symbols	CEA; CGM1; W264; W282; CD66D
UniProt Protein Name	Carcinoembryonic antigen-related cell adhesion molecule 3
UniProt Synonym Protein Names	Carcinoembryonic antigen CGM1; CD_antigen: CD66d
Protein Family	Carcinoembryonic antigen-related cell adhesion molecule
UniProt Gene Name	CEACAM3
UniProt Synonym Gene Names	CD66D; CGM1

UniProt Entry Name	CEAM3_HUMAN
NCBI Protein Information	carcinoembryonic antigen-related cell adhesion molecule 3; CD66d antigen; carcinoembryonic antigen CGM1; nonspecific cross-reacting antigen; carcinoembryonic antigen gene family member 1
UniProt Comments for CEACAM3	CEACAM3: Major granulocyte receptor mediating recognition and efficient opsonin-independent phagocytosis of CEACAM-binding microorganisms, including Neissiria, Moxarella and Haemophilus species, thus playing an important role in the clearance of pathogens by the innate immune system. Responsible for RAC1 stimulation in the course of pathogen phagocytosis. Interacts with S100A9/calprotectin. This interaction is calcium-dependent, but independent of CEACAM3 phosphorylation. CGM1a, the predominant CGM1 transcript, is granulocyte-specific. Not detected out of the granulocytic lineage, such as monocytes, lymphocytes, spleen, testis, colon, brain, liver, pancreas, thymus, ovary, placenta, skeletal muscle, prostate, small intestine, heart, lung and kidney. Belongs to the immunoglobulin superfamily. CEA family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Immunoglobulin superfamily; Membrane protein, integral; Cell adhesion Chromosomal Location of Human Ortholog: 19q13.2 Cellular Component: integral to membrane
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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