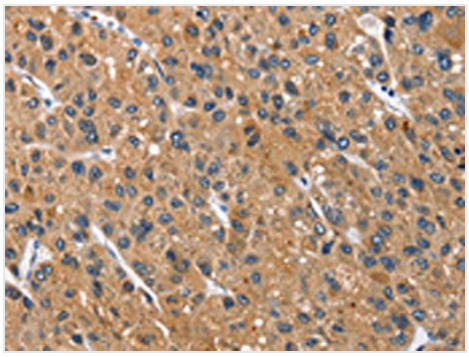
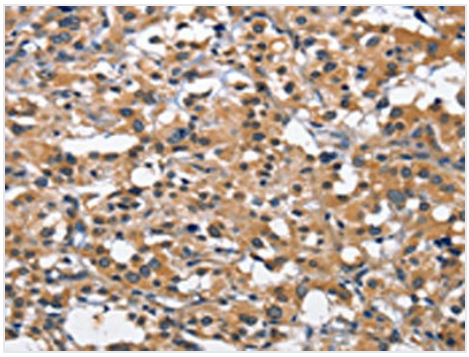
CEACAM3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CEACAM3, Polyclonal Antibody
Full Product Name	CEACAM3 Antibody
Product Gene Name	anti-CEACAM3 antibody
Product Synonym Names	carcinoembryonic antigen-related cell adhesion molecule 3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid; In Phosphate Buffered Saline, pH 7.4, 0.05% NaN3, and 40% Glycerol
Purity/Purification	Antigen Affinity Purification
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	252
OMIM	609142
3D Structure	ModBase 3D Structure for P40198
Immunogen	Fusion protein of human CEACAM3
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-CEACAM3 antibody	Immunology
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CEACAM3 antibody	ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-CEACAM3 antibody	ELISA: 1:2000-1:10000 IHC: 1:100-1:300
Related Product Information for anti-CEACAM3 antibody	MBS7123505 is an antibody targeting CEACAM3. Also known as CEACAM3 Antibody. Reactive in Human. Host: Rabbit.
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.



Immunohistochemistry (IHC)-Paraffin of anti-CEACAM3 antibody
The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using MBS7123505(CEACAM3 Antibody) at dilution 1/70, on the right is treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry (IHC)-Paraffin of anti-CEACAM3 antibody
The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using MBS7123505(CEACAM3 Antibody) at dilution 1/70, on the right is treated with fusion protein. (Original magnification: ×200)

ADDITIONAL DETAILS

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

NCBI GI #	218511974
NCBI GeneID	1084
NCBI Accession #	P40198.2
UniProt Primary Accession #	P40198
UniProt Secondary Accession #	Q3KPH9; G5E978
UniProt Related Accession #	P40198
NCBI Official Full Name	Carcinoembryonic antigen-related cell adhesion molecule 3
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
NCBI Summary for CEACAM3	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. [provided by RefSeq, Mar 2013]

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
Research Articles on CEACAM3	**1.** A failure of CEACAM3-mediated innate immune detection might be linked to the ability of gonococci to cause disseminated infections.
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