

Carcinoembryonic antigen-related cell adhesion molecule 6 (CEACAM6) Active Protein | CEACAM6 active protein

Recombinant Human Carcinoembryonic antigen-related cell adhesion molecule 6 (CEACAM6)(Active)

CATALOG # AAA279203	HOST Mammalian cell
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PRODUCT SYNONYMS

Carcinoembryonic antigen-related cell adhesion molecule 6 (CEACAM6); Recombinant Human Carcinoembryonic antigen-related cell adhesion molecule 6 (CEACAM6)(Active); Non-specific crossreacting antigen; Normal cross-reacting antigen; CD66c; CEACAM6 active protein

PRODUCT SPECIFICATIONS

Host	Mammalian cell
Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Form/Format	Lyophilized powder Lyophilized from a 0.2 um filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
Sequence Positions	35-320aa; Full Length of Mature Protein
Sequence	KLTIESTPFN VAEGKEVLLL AHNLPQNRIG YSWYKGERVD GNSLIVGYVI GTQQATPGPA YSGRETIYPN ASLLIQNVTQ NDTGFYTLQV IKSDLVNEEA TGQFHVYPEL PKPSISSNNS NPVEDKDAVA FTCEPEVQNT TYLWWVNGQS LPVSPRLQLS NGNMTLTLLS VKRNDAGSYE CEIQNPASAN RSDPVTNLNL YGPDGPTISP SKANYRPGEN LNLSCHAASN PPAQYSWFIN GTFQQSTQEL FIPNITVNNS GSYMCAHNS ATGLNRTT VT MITVSG\$
Species	Homo sapiens (Human)
Tag	C-terminal 10xHis-tagged
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Research Area	Tags & Cell Markers
Biological Activity	1. Measured by its binding ability in a functional ELISA. Immobilized Human CEACAM6 at 2 ug/mL can bind Human CEACAM8, the EC50 is 144.7-223.8 ng/mL. 2. Measured by its binding ability in a functional ELISA. Immobilized Human CEACAM6 at 2 ug/mL can bind Anti- CEACAM5/CEACAM6 recombinant antibody, the EC50 is 0.9430-1.377 ng/mL.
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

IMAGES



Application Data

Measured by its binding ability in a functional ELISA. Immobilized Human CEACAM6 at 2 ?g/mL can bind Anti- CEACAM5/CEACAM6 recombinant antibody, the EC50 is 0.9430-1.377 ng/mL.



Bioactivity

Measured by its binding ability in a functional ELISA. Immobilized Human CEACAM6 at 2 ?g/mL can bind Human CEACAM8, the EC50 is 144.7-223.8 ng/mL.



SDS-PAGE

Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

ADDITIONAL INFORMATION

Related Product Information for CEACAM6 active protein	Cell surface glycoprotein that plays a role in cell adhesion and tumor progression.Intercellular adhesion occurs in a calcium- and fibronectin-independent manner.Mediates homophilic and heterophilic cell adhesion with other carcinoembryonic antigen-related cell adhesion molecules, such as CEACAM5 and CEACAM8).Heterophilic interaction with CEACAM8 occurs in activated neutrophils.Plays a role in neutrophil adhesion to cytokine-activated endothelial cells.Plays a role as an oncogene by promoting tumor progression; positively regulates cell migration, cell adhesion to endothelial cells and cell invasion.Also involved in the metastatic cascade process by inducing gain resistance to anoikis of pancreatic adenocarcinoma and colorectal carcinoma cells.
Product Categories/Family for CEACAM6 active protein	Active Protein & In Stock Protein
References	"Large-scale phosphoproteome analysis of human liver tissue by enrichment and fractionation of phosphopeptides with strong anion exchange chromatography."Han G., Ye M., Zhou H., Jiang X., Feng S., Jiang X., Tian R., Wan D., Zou H., Gu J.Proteomics 8:1346-1361(2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	612407822
NCBI GeneID	4680
NCBI Accession #	NP_002474.4
NCBI GenBank Nucleotide #	NM_002483.6
UniProt Accession #	P40199; Q13774; Q14920; Q53XP7
Molecular Weight	37,195 Da
NCBI Official Full Name	carcinoembryonic antigen-related cell adhesion molecule 6 preproprotein
NCBI Official Synonym Full Names	carcinoembryonic antigen related cell adhesion molecule 6
NCBI Official Symbol	CEACAM6
NCBI Official Synonym Symbols	NCA; CEAL; CD66c
NCBI Protein Information	carcinoembryonic antigen-related cell adhesion molecule 6
UniProt Protein Name	Carcinoembryonic antigen-related cell adhesion molecule 6
UniProt Gene Name	CEACAM6
UniProt Synonym Gene Names	NCA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mammalian-cell-active-protein/carcinoembryonic-antigen-related-cell-adhesion-molecule-6-ceacam6/279203>