

Carcinoembryonic antigen-related cell adhesion molecule 8 (CEACAM8) Active Protein | CEACAM8 active protein

Recombinant Human Carcinoembryonic antigen-related cell adhesion molecule 8 (CEACAM8)(Active)

CATALOG # AAA279204	HOST Mammalian cell
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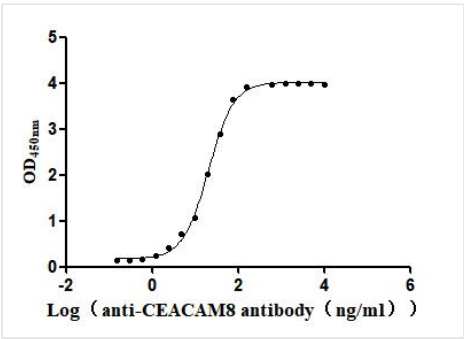
PRODUCT SYNONYMS

Carcinoembryonic antigen-related cell adhesion molecule 8 (CEACAM8); Recombinant Human Carcinoembryonic antigen-related cell adhesion molecule 8 (CEACAM8)(Active); CGM6; CEACAM8 active protein

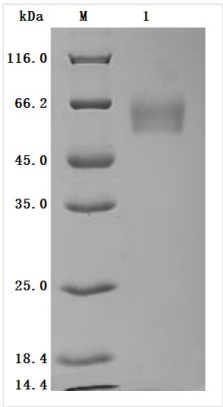
PRODUCT SPECIFICATIONS

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	QLTIEAVPSN AAEGKEVLLV VHNLPQDPRG YNWYKGETVD ANRRIIGYVI SNQKITPGPA YSNRETIYPN ASLLMRNVTR NDTGSYTLQV IKLNLMSSEV TGQFSVHPET PKPSISSNNS NPVEDKDAVA FTCEPETQNT TYLWWVNGQS LPVSPRLQLS NGNRTLTLVS VTRNDVGPYE CEIQNPASAN FSDPVTNLNL YGPDAPTISP SDTYHHAGVN LNLSCHAASN PPSQYSWSVN GTFQYQTQKL FIPNITTKNS GSYACHTTNS ATGRNRTTVR MITVSD\$
Species	Homo sapiens (Human)
Tag	C-terminal 10xHis-tagged
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Research Area	Cancer
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human CEACAM8 at 2 ug/mL can bind Anti-CEACAM8 recombinant antibody. The EC50 is 19.38-21.68 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



Bioactivity
Measured by its binding ability in a functional ELISA. Immobilized Human CEACAM8 at 2?g/mL can bind Anti-CEACAM8 recombinant antibody, the EC50 is 19.38-21.68 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 CEACAM8 active protein	Cell surface glycoprotein that plays a role in cell adhesion in a calcium-independent manner;Mediates heterophilic cell adhesion with other carcinoembryonic antigen-related cell adhesion molecules, such as CEACAM6;Heterophilic interaction with CEACAM8 occurs in activated neutrophils.
Product Categories/Family for CEACAM8 active protein	Active Protein & In Stock Protein
References	"Cloning of a carcinoembryonic antigen gene family member expressed in leukocytes of chronic myeloid leukemia patients and bone marrow."Berling B., Kolbinger F., Grunert F., Thompson J.A., Brombacher F., Buchegger F., Vkleist S., Zimmermann W.Cancer Res. 50:6534-6539 (1990)"Characterization of a cDNA clone encoding a new species of the nonspecific cross-reacting antigen (NCA), a member of the CEA gene family."Arakawa F., Kuroki M., Misumi Y., Oikawa S., Nakazato H., Matsuoka Y.Biochem. Biophys. Res. Commun. 166:1063-1071 (1990)"Identification of three new genes and estimation of the size of the carcinoembryonic antigen family."Khan W.N., Fraengsmyr L., Teglund S., Israelsson A., Bremer K., Hammarstroem S.Genomics 14:384-390 (1992)

NCBI AND UNIPROT INFORMATION

NCBI GI #	21314600
NCBI GeneID	1088
NCBI Accession #	NP_001807.2
NCBI GenBank Nucleotide #	NM_001816.3
UniProt Accession #	P31997; O60399; Q16574
Molecular Weight	38,154 Da
NCBI Official Full Name	carcinoembryonic antigen-related cell adhesion molecule 8
NCBI Official Synonym Full Names	carcinoembryonic antigen related cell adhesion molecule 8
NCBI Official Symbol	CEACAM8
NCBI Official Synonym Symbols	CD67; CGM6; CD66b; NCA-95
NCBI Protein Information	carcinoembryonic antigen-related cell adhesion molecule 8
UniProt Protein Name	Carcinoembryonic antigen-related cell adhesion molecule 8
UniProt Gene Name	CEACAM8
UniProt Synonym Gene Names	CGM6

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-8-ceacam8/279204>