



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

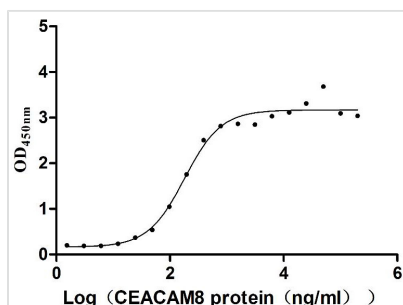
<b>Product Code</b>	CSB-MP005166HU
<b>Abbreviation</b>	Recombinant Human CEACAM6 protein (Active)
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P40199
<b>Form</b>	Lyophilized powder
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Biological Activity</b>	①Measured by its binding ability in a functional ELISA. Immobilized Human CEACAM6 at 2 µg/mL can bind Human CEACAM8 (CSB-MP005168HU), the EC50 is 144.7-223.8 ng/mL.②Measured by its binding ability in a functional ELISA. Immobilized Human CEACAM6 at 2 µg/mL can bind Anti-CEACAM5/CEACAM6 recombinant antibody (CSB-RA005165MA2HU), the EC50 is 0.9430-1.377 ng/mL.
<b>Purity</b>	Greater than 95% as determined by SDS-PAGE.
<b>Sequence</b>	KLTIESTPFNVAEGKEVLLLAHNLPQNRIGYSWYKGERVDGNSLIVGYVIGTQQ ATPGPAYSGRETIYPNASLLIQNVTQNDTGFTLQVIKSDLVNEEATGQFHVYP ELPKPSISSNNSNPVEDKDAVAFTCEPEVQNTTYLWWWNGQSLPVSPRLQLS NGNMTLTLLSVKRNDAGSYECEIQNPASANRSDPVTNLNLYGPDGPTISPSKA NYRPGENLNLSCHAASNPPAQYSWFINGTFQQSTQELFIPNITVNNSGSYMCQ AHNSATGLNRTTVTMITVSG
<b>Research Area</b>	Tags & Cell Markers
<b>Source</b>	Mammalian cell
<b>Target Names</b>	CEACAM6
<b>Expression Region</b>	35-320aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	C-terminal 10xHis-tagged
<b>Mol. Weight</b>	32.6 kDa


**Protein Length**

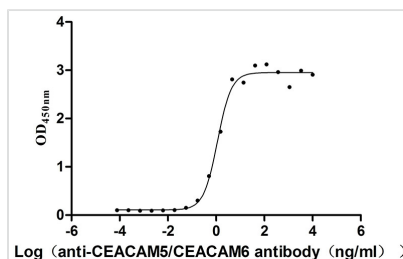
Full Length of Mature Protein

**Image**


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


**Activity**

Measured by its binding ability in a functional ELISA. Immobilized Human CEACAM6 at 2 µg/mL can bind Human CEACAM8 (CSB-MP005168HU), the EC<sub>50</sub> is 144.7-223.8 ng/mL.


**Activity**

Measured by its binding ability in a functional ELISA. Immobilized Human CEACAM6 at 2 µg/mL can bind Anti- CEACAM5/CEACAM6 recombinant antibody (CSB-RA005165MA2HU), the EC<sub>50</sub> is 0.9430-1.377 ng/mL.

**Description**

This Human CEACAM6 recombinant protein was produced in mammalian cell, where the gene sequence encoding Human CEACAM6 (35-320aa) was expressed with the C-terminal 10xHis tag. The purity of this CEACAM6 protein was greater than 95% as determined by SDS-PAGE. The activity was validated.

CEACAM6, which belongs to the carcinoembryonic antigen (CEA) family, is highly expressed in various solid tumors such as breast cancer, pancreatic cancer, colon cancer, and non-small cell lung cancer. CEACAM6 molecules can promote tumor metastasis, invasion and angiogenesis, inhibit tumor apoptosis, increase tumor drug resistance, and its high expression often indicates poor prognosis of patients. The specific antibody against this molecule can significantly inhibit tumor invasion and metastasis, increase apoptosis, and increase the sensitivity of cells to chemotherapy drugs. Therefore, using CEACAM6 as a target is of great significance for the screening of tumor cells and the development and utilization of anti-tumor antibody drugs.

**Endotoxin**

Less than 1.0 EU/ug as determined by LAL method.



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**Reconstitution**

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°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.