

## Recombinant Human CEACAM6 Protein, His-tagged

Cat. No. CEACAM6-179H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human CEACAM6 protein with His tag was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	344
<b>Description</b>	<p>This gene encodes a protein that belongs to the carcinoembryonic antigen (CEA) family whose members are glycosyl phosphatidyl inositol (GPI) anchored cell surface glycoproteins. Members of this family play a role in cell adhesion and are widely used as tumor markers in serum immunoassay determinations of carcinoma. This gene affects the sensitivity of tumor cells to adenovirus infection. The protein encoded by this gene acts as a receptor for adherent-invasive E. coli adhesion to the surface of ileal epithelial cells in patients with Crohn's disease. This gene is clustered with genes and pseudogenes of the cell adhesion molecules subgroup of the CEA family on chromosome 19.</p>
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	32 kDa
<b>AA Sequence</b>	<p>MGPPSAPP CRLHVPWKEVLLTASLLTFWNPPTTAKLTIESTPFNVAEGKEVLLLAHN            LPQNRIGYSWYKGERVDGNSLIVGYVIGTQQATPGPAYSGRETIYPNASLLIQNVTK            NDTGFYTLQVIKSDLVNEEATGQFHVYPELPKPSISSNNSNPVEDKDAVAFTCEPEV</p>

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QNTTYLWWVNGQSLPVSRLQLSNGNMTLTLSSVKRNDAGSYECEIQNPASANRS  
 DPVTLNVLYGPDGPTISPSKANYRPGENLNLSCHAASNPPAQYSWFINGTFQQSTQ  
 ELFIPNITVNNSGSYMCQAHNSATGLNRTTVTMITVSGSAPVLSAVATVGITIGVLARV  
 ALI

**Purity** > 98%

**Applications** WB; ELISA; FACS; FC

**Stability** This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

**Storage** At -20 centigrade.

**Concentration** 1 mg/mL

**Storage Buffer** PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

**Reconstitution** Reconstitute in sterile distilled H<sub>2</sub>O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

## GENE INFORMATION

**Gene Name** CEACAM6 carcinoembryonic antigen-related cell adhesion molecule 6 (non-specific cross reacting antigen) [ Homo sapiens (human) ]

**Official Symbol** CEACAM6

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<b>Synonyms</b>	CEACAM6; carcinoembryonic antigen-related cell adhesion molecule 6 (non-specific cross reacting antigen); NCA; carcinoembryonic antigen-related cell adhesion molecule 6; CD66c; normal cross-reacting antigen; non-specific crossreacting antigen; CEAL;
<b>Gene ID</b>	4680
<b>mRNA Refseq</b>	NM_002483
<b>Protein Refseq</b>	NP_002474
<b>MIM</b>	163980
<b>UniProt ID</b>	P40199

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