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Datasheet for ABIN2180869

## CEACAM6 Protein (AA 35-320) (His tag)

### 2 Images

#### Overview

Quantity:	100 µg
Target:	CEACAM6
Protein Characteristics:	AA 35-320
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CEACAM6 protein is labelled with His tag.

#### Product Details

Sequence:	AA 35-320
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 32 kDa. The protein migrates as 35-65 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>95 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

#### Target Details

Target:	CEACAM6
Alternative Name:	CEACAM-6 ( <a href="#">CEACAM6 Products</a> )

## Target Details

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**Background:** Carcinoembryonic antigen-related cell adhesion molecule 6 (non-specific cross reacting antigen) (CEACAM6) is also known as CD66c (Cluster of Differentiation 66c), CEAL, NCA, and is one of seven human CEACAM family members within the immunoglobulin superfamily. In humans, CEACAMs include type I transmembrane proteins (CEACAM1, CEACAM3, and CEACAM4) and GPI-linked molecules (CEACAM5 through CEACAM8). There is no human CEACAM2. CEACAM 6 contains one N-terminal V-type Ig-like domain (N domain), followed by two C2-type Ig-like domains. It shows considerable glycosylation, including (sialyl) LewisX, which mediates binding to E-selectin, galectins and some bacterial fimbriae. CEACAM-6 is expressed by granulocytes and their progenitors. It is also expressed by epithelia of various organs and is upregulated in pancreatic and colon adenocarcinomas, as well as hyperplastic polyps. Resistance to adhesion-related apoptosis in tumor cells is conferred in the condition of CEACAM6 overexpression.

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**Molecular Weight:** 32.0 kDa

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**NCBI Accession:** [NP\\_002474](#)

## Application Details

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**Restrictions:** For Research Use only

## Handling

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**Format:** Lyophilized

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**Buffer:** PBS, pH 7.4

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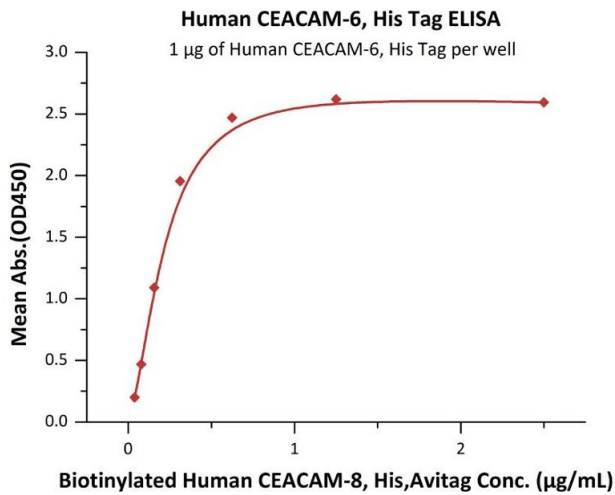
**Handling Advice:** Please avoid repeated freeze-thaw cycles.

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**Storage:** -20 °C

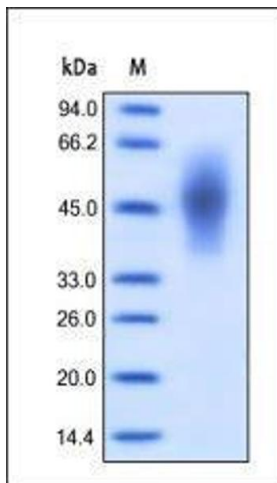
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**Storage Comment:** No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C-8 °C), After reconstitution under sterile conditions for 1 month (4 °C-8 °C) or 3 months (-20 °C to -70 °C).



### ELISA

**Image 1.** Immobilized Human CEACAM-6, His Tag (ABIN2180870, ABIN2180869) at 10 µg/mL (100 µL/well) can bind Biotinylated Human CEACAM-8, His, Avitag (ABIN5954969, ABIN6253589) with a linear range of 0.02-0.313 µg/mL (QC tested).



### SDS-PAGE

**Image 2.** Human CEACAM-6, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.