

Human CellExpCEACAM6/CD66c, human recombinant protein
CEACAM6, CD66c, CEAL, NCA
Catalog # PBV11396r**Specification**

Human CellExpCEACAM6/CD66c, human recombinant protein - Product infoPrimary Accession
Calculated MW[P40199](#)

This protein rhCEACAM6 is fused with 6×his tag at C-terminus, has a calculated MW of 32 kDa expressed. The predicted N-terminus is Lys35. Protein migrates as 35-65 kDa in reduced SDS-PAGE resulting from glycosylation. KDa

Human CellExpCEACAM6/CD66c, human recombinant protein - Additional InfoGene ID
Gene Symbol
Other Names
CEACAM6, CD66c, CEAL, NCA4680
CEACAM6Gene Source
Source
Assay&Purity
Assay2&Purity2
Recombinant
Results

Human
HEK 293 cells
SDS-PAGE; ≥95%
N/A;
Yes
Measured by the ability of the immobilized protein to support the adhesion of calcium ionophore treated human neutrophils. When 2 x 10⁵ cells/well are added to CEACAM6 coated plates (10 µg/mL, 100 µL/well), 45-70% of the cells will adhere after 20 minutes at 37°C.

Target/Specificity
CEACAM6/CD66c**Application Notes**

Centrifuge the vial prior to opening. Reconstitute in PBS, pH 7.4. Do not vortex.

Format
Lyophilized**Storage**

-20°C; Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally Mannitol or Trehalose are added as protectants before lyophilization.

Human CellExpCEACAM6/CD66c, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human CellExpCEACAM6/CD66c, human recombinant protein - Images

Human CellExpCEACAM6/CD66c, human recombinant protein - Background

Carcinoembryonic antigen-related cell adhesion molecule 6 (non-specific cross reacting antigen) (CEACAM6) 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.

Human CellExpCEACAM6/CD66c, human recombinant protein - References

Barnett T.,et al.Genomics 3:59-66(1988).
Tawaragi Y.,et al.Biochem. Biophys. Res. Commun. 150:89-96(1988).
Neumaier M.,et al.J. Biol. Chem. 263:3202-3207(1988).
Kalnina N.,et al.Submitted (AUG-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).