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CEACAM-6/CD66c
Catalog # PVGS1714

Specification

CEACAM-6/CD66c - Product Information

Primary Accession P40199
Species
Human

Sequence
Lys35-Gly320

Purity
> 95% as determined by Bis-Tris PAGE
 > 95% as determined by HPLC

Endotoxin Level
Less than 1EU per μg by the LAL method.

Expression System
HEK293

Theoretical Molecular Weight
34.1 kDa

Formulation **Lyophilized from a 0.22 μm filtered solution in PBS, pH 7.4.**

Reconstitution
Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.

Storage & Stability
Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

CEACAM-6/CD66c - Additional Information

Gene ID 4680

Other Names
Cell adhesion molecule CEACAM6, Carcinoembryonic antigen-related cell adhesion molecule 6, CEA cell adhesion molecule 6 {ECO:0000312|HGNC:HGNC:1818}, Non-specific crossreacting antigen, Normal cross-reacting antigen, CD66c, CEACAM6 (HGNC:1818)

Target Background
CEACAM6 (carcinoembryonic antigen-related cell adhesion molecule 6), is encoded by the human CEACAM6 gene. It plays a probable role in both cell-cell signaling and cell adhesion, promoting

tumor progression, invasion and metastasis. It is upregulated in pancreatic adenocarcinoma, breast cancer and non-small cell lung cancer.

CEACAM-6/CD66c - Protein Information

Name CEACAM6 (HGNC:1818)

Function
Cell surface glycoprotein that plays a role in cell adhesion and tumor progression (PubMed:10910050, PubMed:11590190, PubMed:1378450, PubMed:16204051, PubMed:2022629, PubMed:2803308, PubMed:8776764). Intercellular adhesion occurs in a calcium- and fibronectin-independent manner (PubMed:16204051, PubMed:2022629). Mediates homophilic and heterophilic cell adhesion with other carcinoembryonic antigen-related cell adhesion molecules, such as CEACAM5 and CEACAM8 (PubMed:11590190, PubMed:16204051, PubMed:2022629, PubMed:2803308, PubMed:8776764). Heterophilic interaction with CEACAM8 occurs in activated neutrophils (PubMed:8776764). Plays a role in neutrophil adhesion to cytokine-activated endothelial cells (PubMed:1378450). Plays a role in cell migration and cell adhesion to endothelial cells (PubMed:16204051).

Cellular Location
Cell membrane; Lipid-anchor, GPI-anchor. Apical cell membrane. Cell surface. Note=Localized to the apical glycocalyx surface.

Tissue Location
Expressed in neutrophils (PubMed:1378450). Expressed in columnar epithelial and goblet cells of the colon (PubMed:10436421). Expressed in numerous tumor cell lines (at protein level) (PubMed:16204051).

CEACAM-6/CD66c - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety

- Cell Culture

CEACAM-6/CD66c - Images