

ARG70297 Human CD66c recombinant protein (ECD) (His-tagged, C-ter)

Package: 100 µg
Store at: -20°C

Summary

Product Description	HEK293 expressed, His-tagged (C-ter) Human CD66c recombinant protein (ECD).
Tested Reactivity	Hu
Tested Application	Binding, SDS-PAGE
Target Name	CD66c (ECD)
Species	Human
A.A. Sequence	Lys35 - Gly320 of Human CD66c (NP_002474.3) with 6X His tag at the C-terminus.
Expression System	HEK293
Alternate Names	Normal cross-reacting antigen; Carcinoembryonic antigen-related cell adhesion molecule 6; CEAL; CD66c; CD antigen CD66c; NCA; Non-specific crossreacting antigen

Application Instructions

Application Note	Binding activity test: Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human CEACAM6 at 2 µg/ml (100µl/well) can bind Recombinant Human CEACAM8 with a linear range of 0.1-0.4 µg/ml.
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Properties

Form	Powder
Purification Note	0.22 µm filter sterilized. Endotoxin level is 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	Reconstitute to a concentration of 0.1 - 0.5 mg/ml in sterile distilled water.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C for up to one month, at 2-8°C for up to one week. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CEACAM6
Gene Full Name	carcinoembryonic antigen-related cell adhesion molecule 6 (non-specific cross reacting antigen)
Background	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. [provided]

by RefSeq, Apr 2014]

Function

Cell surface glycoprotein that plays a role in cell adhesion and tumor progression (PubMed:2803308, PubMed:2022629, PubMed:1378450, PubMed:8776764, PubMed:11590190, PubMed:10910050, PubMed:14724575, PubMed:16204051). Intercellular adhesion occurs in a calcium- and fibronectin-independent manner (PubMed:2022629, PubMed:16204051). Mediates homophilic and heterophilic cell adhesion with other carcinoembryonic antigen-related cell adhesion molecules, such as CEACAM5 and CEACAM8 (PubMed:2803308, PubMed:2022629, PubMed:8776764, PubMed:11590190, PubMed:16204051). 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 as an oncogene by promoting tumor progression; positively regulates cell migration, cell adhesion to endothelial cells and cell invasion (PubMed:16204051). Also involved in the metastatic cascade process by inducing gain resistance to anoikis of pancreatic adenocarcinoma and colorectal carcinoma cells (PubMed:10910050, PubMed:14724575). [UniProt]

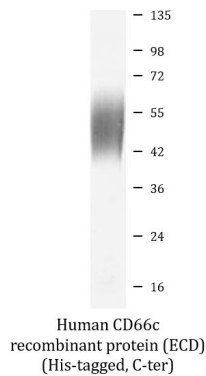
Calculated Mw

37 kDa

Cellular Localization

Cell membrane; Lipid-anchor, GPI-anchor. [UniProt]

Images



ARG70297 Human CD66c recombinant protein (ECD) (His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70297 Human CD66c recombinant protein (ECD) (His-tagged, C-ter).