

Datasheet for ABIN7317753
CEACAM6 Protein (His tag)



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Overview

Quantity:	100 µg
Target:	CEACAM6
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CEACAM6 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human CEACAM6/CD66c Protein (His Tag)(Active)
Sequence:	Met 1-Gly 320
Characteristics:	A DNA sequence encoding the human CEACAM6 (NP_002474.3) (Met 1-Gly 320) with a C-terminal polyhistidine tag was expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized human CEACAM6-his at 10 µg/mL (100 µl/well) can bind biotinylated human CEACAM8-his, The EC50 of biotinylated human CEACAM8-his is 0.17 µg/mL.

Target Details

Target:	CEACAM6
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Target Details

Alternative Name:	CEACAM6/CD66c (CEACAM6 Products)
Background:	<p>Background: Carcinoembryonic antigen-related cell adhesion molecule 6 (CEACAM6), also known as nonspecific crossreacting antigen (NCA) and CD66c, is one of seven human CEACAM family members within the immunoglobulin superfamily. It is a glycosylphosphatidylinositol-linked immunoglobulin superfamily member that is overexpressed in a variety of human cancers, including colon, breast and lung and is associated with tumourigenesis, tumour cell adhesion, invasion and metastasis. CEACAM6 is a unique mediator of migration and invasion of drug resistant oestrogen-deprived breast cancer cells, and this protein could be an important biomarker of metastasis. CEACAM6 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.</p> <p>Synonym: CD66c,CEA,CEAL,NCA</p>
Molecular Weight:	32.6 kDa
NCBI Accession:	NP_002474

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>