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Datasheet for ABIN1096365
CEACAM1 Protein (AA 35-428) (His tag)

Overview

Quantity:	50 µg
Target:	CEACAM1
Protein Characteristics:	AA 35-428
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CEACAM1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human CEACAM1/CD66a (C-6His)
Sequence:	QLTTESMPFN VAEGKEVLLL VHNLPQQLFG YSWYKGERVD GNRQIVGYAI GTQQATPGPA NSGRETIYPN ASLLIQNVTQ NDTGFYTLQV IKSDLVNEEA TGQFHVYPEL PKPSSSNNNS NPVEDKDAVA FTCEPETQDT TYLWWINNQS LPVSPRLQLS NGNRTLTLSS VTRNDTGPYE CEIQNPVSAN RSDPVTLNVT YGPDPTISP SDTYRPGAN LSLSCYAASN PPAQYSWLIN GTFQSTQEL FIPNITVNNS GSYTCHANNS VTGCNRTTVK TIIVTELSPV VAKPQIKASK TTVTGDKDSV NLTCSTNDTG ISIRWFFKNQ SLPSSERMKL SQGNTTLLSIN PVKREDAGTY WCEVFNPISK NQSDPIMLNV NYNALPQENG LSPGVDHHHH HH
Characteristics:	Recombinant Human Carcinoembryonic Antigen-Related Cell Adhesion Molecule 1/CEACAM1 produced by transfected human cells is a secreted protein with sequence (Q35-G428) of Human CEACAM1 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	CEACAM1
Alternative Name:	ceacam-1 (CEACAM1 Products)
Sub Type:	Fusionprotein
Background:	<p>Carcinoembryonic Antigen-Related Cell Adhesion Molecule 1 (CEACAM1) is a member of the Carcinoembryonic Antigen (CEA) family, which belongs to the immunoglobulin superfamily. CEACAM1 is originally described in bile ducts of liver as biliary glycoprotein. Subsequently, it is found to be a cell-cell adhesion molecule detected on leukocytes, epithelia, and endothelia. CEACAM1 mediates cell adhesion via homophilic as well as heterophilic binding to other proteins of the subgroup. In addition, CEACAM1 plays a important role in the differentiation and arrangement of tissue three-dimensional structure, angiogenesis, apoptosis, tumor suppression, metastasis, and the modulation of innate and adaptive immune responses.</p> <p>Alternative Names: Carcinoembryonic Antigen-Related Cell Adhesion Molecule 1, Biliary Glycoprotein 1, BGP-1, CD66a, CEACAM1, BGP, BGP1</p>
Molecular Weight:	44.33 kDa
UniProt:	P13688

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C

Handling

Storage Comment: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.
Reconstituted protein solution can be stored at 4-7°C for 2-7 days.
Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 3 months