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Datasheet for ABIN1096368

CEACAM3 Protein (AA 35-155) (His tag)

Overview

Quantity:	50 µg
Target:	CEACAM3
Protein Characteristics:	AA 35-155
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CEACAM3 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human CEACAM3/CD66d (C-6His)
Sequence:	KLTIESMPLS VAEGKEVLLL VHNLPQHFLFG YSWYKGERVD GNSLIVGYVI GTQQATPGAA YSGRETIYTN ASLLIQNVTQ NDIGFYTLQV IKSDLVNEEA TGQFHVYQEN APGLPVGAVA GVDHHHHHHH
Characteristics:	Recombinant Human Carcinoembryonic Antigen-Related Cell Adhesion Molecule 3/CEACAM3 produced by transfected human cells is a secreted protein with sequence (K35-G155) of Human CEACAM3 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	CEACAM3
Alternative Name:	cd66d (CEACAM3 Products)
Sub Type:	Fusionprotein
Background:	<p>Carcinoembryonic Antigen-Related Cell Adhesion Molecule 3 (CEACAM3) belongs to the immunoglobulin superfamily and CEA family. CEACAM3 was originally described in bile ducts of liver as biliary glycoprotein. Subsequently, it was found to be a cell-cell adhesion molecule detected on leukocytes, epithelia, and endothelia. CEACAM3 mediates cell adhesion via homophilic as well as heterophilic binding to other proteins of the subgroup. In addition, it is associated with 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 3, Carcinoembryonic Antigen CGM1, CD66d, CEACAM3, CD66D, CGM1</p>
Molecular Weight:	14.13 kDa
UniProt:	P40198

Application Details

Restrictions:	For Research Use only
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
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Expiry Date:	3 months