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Datasheet for ABIN7534052
CEACAM3 Protein (His tag)

Overview

Quantity:	100 µg
Target:	CEACAM3
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CEACAM3 protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant Human CEACAM3/CD66d Protein
Sequence:	MGPPSASPHR ECIPWQGLLL TASLLNFWNP PTTAKLTIES MPLSVAEGKE VLLL VHNLPQ HLFGYSWYKG ERVDGNSLIV GYVIGTQQAT PGAAYSGRET IYTNASLLIQ NVTQNDIGFY TLQVIKSDLV NEEATGQFHV YQENAPGLPV GAVAG
Specificity:	Met1-Gly155
Purity:	> 92 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Human CEACAM3 at 1 µg/mL (100 µL/well) can bind CEACAM3 Mouse mAb with a linear range of 0.1-2.7 ng/mL.

Target Details

Target:	CEACAM3
Alternative Name:	CEACAM3/CD66d (CEACAM3 Products)
Background:	<p>Description: The protein encodes a member of the family of carcinoembryonic antigen-related cell adhesion molecules (CEACAMs), which are used by several bacterial pathogens to bind and invade host cells. The encoded transmembrane protein directs phagocytosis of several bacterial species that is dependent on the small GTPase Rac. It is thought to serve an important role in controlling human-specific pathogens by the innate immune system.</p> <p>Alternatively spliced transcript variants have been described.</p> <p>Name: CEACAM3,CD66D,CEA,CGM1,W264,W282</p>
Gene ID:	1084
UniProt:	P40198

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	<p>Store the lyophilized protein at -20°C to -80 °C for long term.</p> <p>After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.</p>