

Datasheet for ABIN7274330

CEACAM8 Protein (AA 35-319) (His tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CEACAM8
Protein Characteristics:	AA 35-319
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CEACAM8 protein is labelled with His tag.

Product Details

Purpose:	Human CEACAM-8/CD66b Protein
Sequence:	Gln35-Ser319
Characteristics:	Recombinant Human CEACAM-8/CD66b Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln35-Ser319.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	The affinity constant of 4.59 µM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

Target:	CEACAM8
Alternative Name:	CEACAM-8 (CEACAM8 Products)
Background:	Eosinophils and their products are likely important in the pathophysiology of allergic diseases, such as bronchial asthma, and in host immunity to parasitic organisms. CD66b (CEACAM8, CGM6, NCA-95) is a single chain, GPI-anchored, highly glycosylated protein belonging to the carcinoembryonic Ag supergene family. CD66b is an activation marker for human granulocytes.
Molecular Weight:	32.5 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.
NCBI Accession:	NP_001807

Application Details

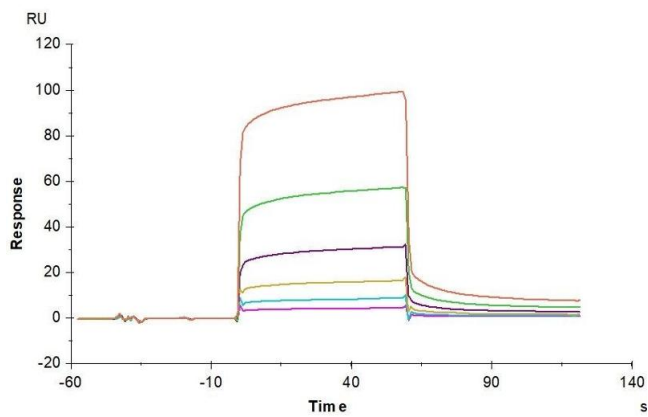
Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

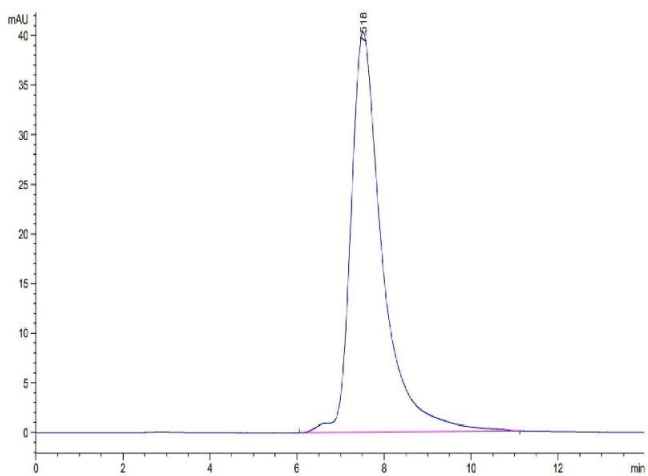
Surface Plasmon Resonance

Image 1. Human CEACAM-8, His Tag immobilized on CM5 Chip can bind Human CEACAM-6, His Tag with an affinity constant of 4.59 μ M as determined in SPR assay (Biacore T200).



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human CEACAM-8 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Human CEACAM-8 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

