

Recombinant Human CEACAM8, C13&N15-labeled

Cat. No. CEACAM8-222H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CEACAM8 /CD66b MS Standard Protein, C13 and N15-labeled (CEACAM8 / CD66b, Heavy Labeled) Gln 35 - Ser 319 (Accession # NP_001807.2) was produced in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	35-319 a.a.
Description	Carcinoembryonic antigen-related cell adhesion molecule 8 (CEACAM8) also known as CD66b (Cluster of Differentiation 66b), CD66b, CD67, CGM6, NCA-95, and is one of seven human CEACAM family members within the immunoglobulin superfamily. CEACAM family members are a set of widely expressed proteins involved in several biological functions, including cell adhesion, migration, signal transduction, and the regulation of gene expression. Abnormal overexpression and downregulation of some CEACAMs have been described in tumor cells. In humans, CEACAMs include type I transmembrane proteins (CEACAM1, CEACAM3, and CEACAM4) and GPI-linked molecules (CEACAM5 through CEACAM8). There is no human CEACAM2. CEACAM8 is a single chain, two Ig-like C2-type (immunoglobulin-like) domains and one Ig-like V-type (immunoglobulin-like) domain. It is an activation marker for human granulocytes.[1-4]
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally Mannitol or

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Trehalose are added as protectants before lyophilization.

Molecular Mass

CEACAM8 / CD66b, Heavy Labeled, fused with 6×His tag at the C-terminus, has a calculated MW of 33 kDa. The predicted N-terminus is Gln 35. DTT-reduced Protein migrates as 48-65 kDa due to glycosylation.

Endotoxin

Less than 1.0 EU per µg of the CEACAM8 / CD66b, Heavy Labeled by the LAL method.

Purity

>95% as determined by SDS-PAGE.

Storage

Avoid repeated freeze-thaw cycles.No activity loss was observed after storage at:In lyophilized state for 1 year (4oC-8oC); After reconstitution under sterile conditions for 1 month (4oC-8oC) or 3 months (-20oC to -70oC).

GENE INFORMATION

Gene Name

CEACAM8 carcinoembryonic antigen-related cell adhesion molecule 8 [Homo sapiens]

Official Symbol

CEACAM8

Synonyms

CEACAM8; carcinoembryonic antigen-related cell adhesion molecule 8; CGM6; CD66b; CD67 antigen; carcinoembryonic antigen CGM6; non-specific cross-reacting antigen NCA-95; carcinoembryonic antigen gene family member 6; CD67; NCA-95;

Gene ID

1088

mRNA Refseq

NM_001816

Protein Refseq

NP_001807

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UniProt ID	P31997
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Chromosome Location	19q13.2
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