

CEACAM8/CD66b Protein, Human (His-SUMO)

Cat. No.:	HY-P72133
Synonyms:	Carcinoembryonic antigen CGM6; Carcinoembryonic antigen gene family member 6; Carcinoembryonic antigen related cell adhesion molecule 8; Carcinoembryonic antigen-related cell adhesion molecule 8; CD 66b; CD 67; CD66b; CD66b antigen; CD67; CD67 antigen; CEACAM 8; CEACAM8; CEAM8_HUMAN; CGM 6; CGM6; NCA 95; NCA95; Non-specific cross-reacting antigen NCA-95; Nonspecific cross reacting antigen NCA 95; Nonspecific cross reacting antigen NCA95
Species:	Human
Source:	E. coli
Accession:	P31997 (Q35-D320)
Gene ID:	1088
Molecular Weight:	Approximately 47.5 kDa

PROPERTIES

AA Sequence	<pre> Q L T I E A V P S N A A E G K E V L L L V H N L P Q D P R G Y N W Y K G E T V D A N R R I I G Y V I S N Q Q I T P G P A Y S N R E T I Y P N A S L L M R N V T R N D T G S Y T L Q V I K L N L M S E E V T G Q F S V H P E T P K P S I S S N N S N P V E D K D A V A F T C E P E T Q N T T Y L W W V N G Q S L P V S P R L Q L S N G N R T L T L L S V T R N D V G P Y E C E I Q N P A S A N F S D P V T L N V L Y G P D A P T I S P S D T Y Y H A G V N L N L S C H A A S N P P S Q Y S W S V N G T F Q Q Y T Q K L F I P N I T T K N S G S Y A C H T T N S A T G R N R T T V R M I T V S D </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm solution of Tris-based buffer, 50% Glycerol.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	CEACAM8/CD66b protein, a cell surface glycoprotein, actively contributes to cell adhesion in a calcium-independent manner. It primarily mediates heterophilic cell adhesion, forming interactions with other carcinoembryonic antigen-related cell adhesion molecules, including CEACAM6. Notably, the heterophilic interaction with CEACAM8 takes place specifically in
-------------------	--

activated neutrophils. CEACAM8 operates as a monomer and also forms heterodimers with CEACAM6, engaging in heterodimerization through its Ig-like V-type domain. This emphasizes its role as a versatile cell adhesion molecule, participating in interactions with various partners and highlighting its significance in diverse cellular contexts, particularly in activated neutrophils and during heterophilic adhesion with other CEACAM family members.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA