

## CEACAM8/CD66b Protein, Human (HEK293, His)

Cat. No.:	HY-P72692
Synonyms:	Carcinoembryonic antigen-related cell adhesion molecule 8; CD67; CD66b; CEACAM8; CGM6
Species:	Human
Source:	HEK293
Accession:	P31997 (Q35-H141)
Gene ID:	1088
Molecular Weight:	17-25 kDa

### PROPERTIES

AA Sequence	<p>           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>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
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 <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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	<p>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.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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