

CEACAM8/CD66b Protein, Canine (HEK293, His)

Cat. No.:	HY-P700975
Synonyms:	BGP; BGP1; BGPI; CEACAM1; CD66a
Species:	Canine
Source:	HEK293
Accession:	XP_038509497.1 (Q35-G424)
Gene ID:	612435
Molecular Weight:	68-88 kDa

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

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

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