For Research Use Only Recombinant Human CEACAM-1/CD66a protein (His Tag)

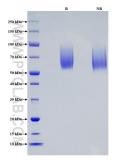


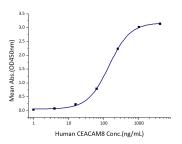
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Catalog Number: Eg0314

Basic Information	<mark>Species:</mark> Human	Purity: >95 %, SDS-PAGE	Tag: His Tag
	EC50: 70-280 ng/mL		
Technical Specifications	Purity: >95 %, SDS-PAGE		
	Endotoxin Level: <0.1 EU/ μ g protein, LAL method		
	Source: HEK293-derived Human CEACAM-1 protein Gln35-Gly428 (Accession#P13688-1) with a His tag at the C- terminus.		
	GenelD: 634		
	Accession: P13688-1		
	Predicted Molecular Mass: 47.5 kDa		
	SDS-PAGE: 55-90 kDa, reducing (R) conditions		
	Formulation: Lyophilized from 0.22 µm filtered s protectants before lyophilization.	olution in PBS, pH 7.4. Normally	5% trehalose and 5% mannitol are added as
Biological Activity	Immobilized Human CEACAM-1 (His tag) at 2 μ g/mL (100 μ L/well) can bind Human CEACAM-8 (hFc tag) with a linear range of 70-280 ng/mL.		
Storage and Shipping	Storage: It is recommended that the protein	be aliquoted for optimal storage	e. Avoid repeated freeze-thaw cycles.
	 Until expiry date, -20°C to - 3 months, -20°C to -80°C ur 	80 $^\circ C$ as lyophilized proteins. Inder sterile conditions after reco	onstitution.
	Shipping: The product is shipped at ambient to temperature.	emperature. Upon receipt, store	it immediately at the recommended
Reconstitution	Briefly centrifuge the tube before c	ppening. Reconstitute at 0.1-0.5	mg/mL in sterile water.
Background	manner. CEACAM1 is expressed inco lymphocytes. It plays a role as coinh an activator during angiogenesis. Its dependent, which in turn, suppress their downstream effectors. Plays a	lumnar epithelial cells of the co ibitory receptor in immune resp s coinhibitory receptor function signal transduction of associate role in immune response, of T co	M1), belonging to the immunoglobulin ll adhesion in a calcium-independent lon, T cells, granulocytes and onse, insulin action and functions also as is phosphorylation- and PTPN6 - ed receptors by dephosphorylation of ells, natural killer (NK) and neutrophils. It FLNA and interferes with the interaction
References	1.Huang YH, et al. (2015). Nature. 51 2.Hosomi S, et al. (2013). Eur J Immu 3.Chen Z, et al. (2008). J Immunol.18 4.Klaile E, et al. (2005). J Cell Sci. 118	nol. 43(9):2473-2483 0(9):6085-6093	
Synonyms	CEACAM1, CEACAM1/CD66a, BGP, BG	P1, BGP-1	

Selected Validation Data





Purity of Recombinant Human CEACAM-1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

Immobilized Human CEACAM-1 (His tag) at 2 μ g/mL (100 $\,\mu$ L/well) can bind Human CEACAM-8 (hFc tag) with a linear range of 70-280 ng/mL

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.