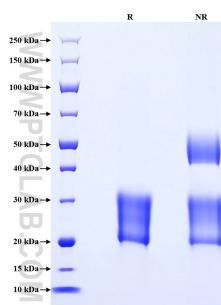


Recombinant Human CEACAM-3 protein (Myc Tag, His Tag)

Catalog Number: Eg0144

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: Myc Tag, His Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Human CEACAM-3 protein Lys35-Gly155 (Accession# P40198-1) with a Myc tag and a His tag at the C-terminus.</p> <p>GeneID: 1084</p> <p>Accession: P40198-1</p> <p>Predicted Molecular Mass: 18.1 kDa</p> <p>SDS-PAGE: 20-32 kDa, reducing (R) conditions</p> <p>Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>Carcinoembryonic antigen-related cell adhesion molecules (CEACAMs) belong to the immunoglobulin superfamily of cell adhesion molecules. CEACAMs play major roles in cell-cell and cell-ECM adhesion and have been implicated in controlling cell proliferation, angiogenesis, and tissue remodeling. CEACAM3, also named as CD66d and CGM1, is exclusively expressed on granulocytes and acts as the major granulocyte receptor mediating recognition and efficient opsonin-independent phagocytosis of CEACAM-binding microorganisms, including <i>Neisseria</i>, <i>Moxarella</i> and <i>Haemophilus</i> species. CEACAM3 plays an important role in the clearance of pathogens by the innate immune system. It is responsible for RAC1 stimulation in the course of pathogen phagocytosis.</p>		
References	<ol style="list-style-type: none">1. Stefan Pils, et al. (2008) Int J Med Microbiol. 298(7-8):553-60.2. Sarina Cameron, et al. (2012) Mol Cancer. 11:74.3. Patrizia Bonsignore, et al. (2020) Front Immunol. 10:3160.		
Synonyms	CEACAM3, Carcinoembryonic antigen CGM1, Carcinoembryonic antigen-related cell adhesion molecule 3, CD66D, CGM1		

Selected Validation Data



Purity of Recombinant Human CEACAM-3 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.

For technical support and original validation data for this product please contact

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