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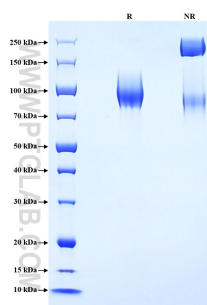
# Recombinant Mouse CEACAM-1/CD66a protein (rFc Tag)



Catalog Number: Eg1423

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	<p><b>Purity:</b> &gt;90 %, SDS-PAGE</p> <p><b>Endotoxin Level:</b> &lt;0.1 EU/ µg protein, LAL method</p> <p><b>Source:</b> HEK293-derived Mouse CEACAM-1 protein Glu35-Gly428 (Accession# P31809-1) with a rabbit IgG Fc tag at the C-terminus.</p> <p><b>GeneID:</b> 26365</p> <p><b>Accession:</b> P31809-1</p> <p><b>Predicted Molecular Mass:</b> 69.9 kDa</p> <p><b>SDS-PAGE:</b> 80-120 kDa, reducing (R) conditions</p> <p><b>Formulation:</b> 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><b>Storage:</b> It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"><li>• Until expiry date, -20°C to -80°C as lyophilized proteins.</li><li>• 3 months, -20°C to -80°C under sterile conditions after reconstitution.</li></ul> <p><b>Shipping:</b> 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>CEACAM1, also known as BGP1 or CD66a, belongs to the CEA-related cell-adhesion molecule (CEACAM) subfamily, which is a part of the immunoglobulin superfamily. It plays a role in cell-cell adhesion, regulation of cell proliferation, insulin resistance, obesity, and vascular homeostasis. CEACAM1 is expressed by certain epithelial, endothelial, lymphoid, and myeloid cells. It is found on the surface of various tumors and is associated with tumor progression, metastasis and poor prognosis. CEACAM1 serves as a specific biomarker for Non-small cell lung cancer (NSCLC) and can be used for diagnosis and prognosis of melanoma.</p>		
References	<ol style="list-style-type: none"><li>1. Muenzner P. et al. (2007). Cell Microbiol. 10(5):1074-92.</li><li>2. Rueckschloss U. et al. (2016). Histochem Cell Biol. 146(6):657-671.</li><li>3. Dankner M. et al. (2017). Oncoimmunology. 6(7):e1328336.</li><li>4. Gray-Owen SD. et al. (2006). Nat Rev Immunol. 6(6):433-46.</li><li>5. Gur C, et al. (2019). Oncoimmunology. 8(6):e1581531.</li></ol>		
Synonyms	Bgp, Bgp1, BGP-1, Biliary glycoprotein 1, Biliary glycoprotein D		

## Selected Validation Data



Purity of Recombinant Mouse 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.

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

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