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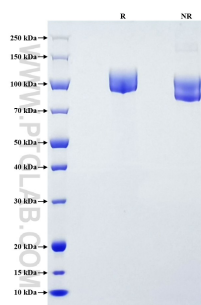
Recombinant Human NCAM-1/CD56 protein (Myc Tag, His Tag)



Catalog Number: Eg31816

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 NCAM-1 protein Leu20-Gly718 (Accession# P13591-2) with a Myc tag and a His tag at the C-terminus.</p> <p>GeneID: 4684</p> <p>Accession: P13591-2</p> <p>Predicted Molecular Mass: 82.4 kDa</p> <p>SDS-PAGE: 90-130 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>Neural cell adhesion molecule 1 (NCAM1, also known as CD56) is a cell adhesion glycoprotein of the immunoglobulin (Ig) superfamily. It is a multifunction protein involved in synaptic plasticity, neurodevelopment, and neurogenesis. NCAM1 is expressed on human neurons, glial cells, skeletal muscle cells, NK cells and a subset of T cells, and the expression is observed in a wide variety of human tumors, including myeloma, myeloid leukemia, neuroendocrine tumors, Wilms' tumor, neuroblastoma, and NK/T cell lymphomas.</p>		
References	<ol style="list-style-type: none">1. Shukrun R. et al. (2019) Oncogenesis. 8(9):48.2. Sasca D. et al. (2019) Blood. 133(21):2305-2319.3. Gunesch JT. et al. (2020) Elife. 9:e57346.4. Sekiguchi Y. et al. (2013) J Clin Exp Hematop. 53(1):37-47.		
Synonyms	CD56, NCAM1, MSK39, N CAM 1, NCAM		

Selected Validation Data



Purity of Recombinant Human NCAM-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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