Recombinant Human VCAM-1/CD106 Protein(His Tag)

Catalog Number: PDMH100205

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

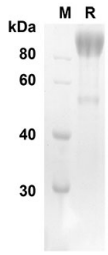
Description

Species	Human
Source	Mammalian-derived Human VCAM-1/CD106 proteins Met1-Glu698, with an C-terminal His
Calculated MW	76.6 kDa
Observed MW	90-100 kDa
Accession	P19320
Bio-activity	Not validated for activity

Properties

Purity	> 90% as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU/mg of the protein as determined by the LAL method
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

Data



SDS-PAGE analysis of Human VCAM-1/CD106 proteins, 2 μg/lane of Recombinant Human VCAM-1/CD106 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 76.6 KD

Background

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Vascular cell adhesion molecule 1 (VCAM1),also known as CD106,is a transmembrane glycoprotein belonging to the immunoglobulin gene superfamily. VCAM1 is expressed by cytokine-activated endothelium,interacts with integrin VLA4 (α4β1) present on the surface of leukocytes,and mediates both adhesion and signal transduction. It is also expressed either constitutively or inducibly in a variety of other cell types,including vascular smooth muscle cells,differentiating skeletal muscle cells,renal and neural epithelial cells,macrophages (Kupffer cells),dendritic cells,and bone marrow stromal cells .

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