

Product Information

Product SKU: RPES8262	Expression Host: stable cell line	Size: 20µg
Tag: C-His	Reactivity: Human	Accession: P19320

Additional Information

Calculated MW: 76.6 kDa	Observed MW: 90-100 kDa
Sequence: Met1-Glu698	

Protein Information

Background:	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 ($\alpha 4\beta 1$) 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.
Synonyms:	CD106, CD106 Antigen, INCAM 100, INCAM-100, L1CAM, MGC99561, V-CAM 1, Vascular Cell Adhesion Molecule 1, Vascular cell adhesion protein 1, VCAM 1, VCAM-1, VCAM1, VCAM1
Endotoxin:	< 1.0 EU/mg of the protein as determined by the LAL method
Formulation:	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Purity:	> 90% as determined by reducing SDS-PAGE.
Bio-Activity:	Not validated for activity
Storage:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.