HUMAN CD106 PROTEIN, HFC TAG

Cat.#: 11808

Product Name: Human CD106 Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: VCAM1;INCAM-100

Target: CD106

UNIPROT ID: P19320

Description: Recombinant human CD106 Protein with C-terminal Human Fc tag

Background: This gene is a member of the Ig superfamily and encodes a cell surface sialoglycoprotein expressed by cytokine-activated endothelium. This type I membrane protein mediates leukocyte-endothelial cell adhesion and signal transduction, and may play a role in the development of artherosclerosis and rheumatoid arthritis. Three alternatively spliced transcripts encoding different isoforms have been described for this gene. [provided by RefSeq, Dec 2010]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 100.4 kDa after removal of the signal peptide. The apparent molecular mass of CD106-hFc is approximately 100-130 kDa due to glycosylation.

Molecular Characterization: CD106(Phe25-Glu698) hFc(Glu99-Ala330)

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

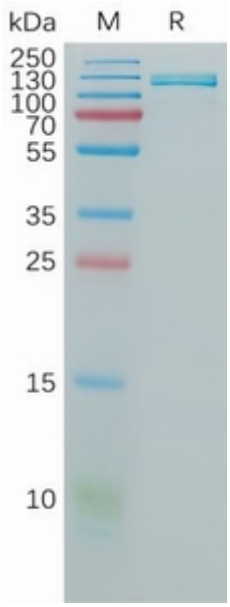

Figure 1. Human CD106 Protein, hFc Tag on SDS-PAGE under reducing condition.