HUMAN CD36 PROTEIN, HFC TAG

Cat.#: 11240
Product Name: Human CD36 Protein
Size : 10 µg, 50 µg and 100 µg
Synonyms: BDPLT10;CHDS7;FAT;GP3B;GP4;GPIV;PASIV;SCARB3
Target: CD36
UNIPROT ID: P16671
Description: Recombinant Human CD36 Protein with C-terminal human Fc tag
Background: The protein encoded by this gene is the fourth major glycoprotein of the platelet surface and serves as a receptor for thrombospondin in platelets and various cell lines. Since thrombospondins are widely distributed proteins involved in a variety of adhesive processes, this protein may have important functions as a cell adhesion molecule. It binds to collagen, thrombospondin, anionic phospholipids and oxidized LDL. It directly mediates cytoadherence of Plasmodium falciparum parasitized erythrocytes and it binds long chain fatty acids and may function in the transport and/or as a regulator of fatty acid transport. Mutations in this gene cause platelet glycoprotein deficiency. Multiple alternatively spliced transcript variants have been found for this gene.
Species/Host: HEK293
Molecular Weight: The protein has a predicted molecular mass of 72.8 kDa after removal of the signal peptide.The apparent molecular mass of CD36-hFc is approximately 100-130 kDa due to glycosylation.
Molecular Characterization: CD36(Gly30-Asn439) 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.

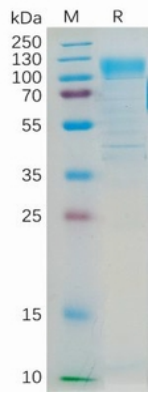

Figure 1. Human CD36 Protein, hFc Tag on SDS-PAGE under reducing condition.

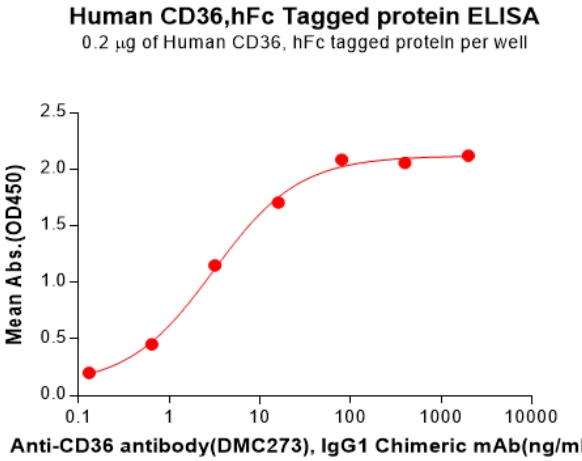

Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human CD36 Protein, hFc Tag(11240) can bind Anti-CD36 antibody(DMC273), IgG1 Chimeric mAb in a linear range of 0.64-16 ng/mL.

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