

HUMAN CD36 FULL LENGTH PROTEIN

Cat.#: 11025

Product Name: Human CD36 Full Length Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: BDPLT10; CHDS7; FAT; GP3B; GP4; GPIV; PASIV; SCARB3

Target: CD36

UNIPROT ID: P16671

Description: Human CD36 full length protein-synthetic nanodisc

Background: The protein 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 human full length CD36 protein has a MW of 53.1 kDa

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.

ELISA assay to evaluate CD36-Nanodisc
0.2µg Human CD36-Nanodisc per well

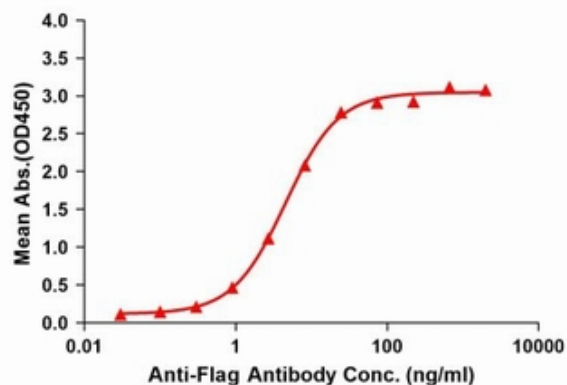


Figure1. Elisa plates were pre-coated with Flag Tag CD36-Nanodisc (0.2 µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with CD36-Nanodisc is 4.557ng/ml.

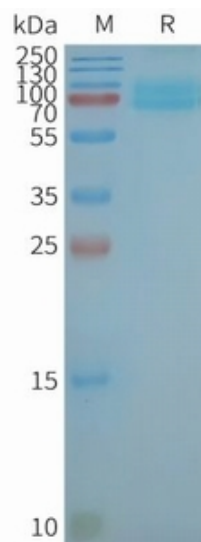


Figure2. Human CD36-Nanodisc, Flag Tag on SDS-PAGE