

Datasheet for ABIN7092680
CD36 Protein (CD36) (AA 30-439) (Fc Tag)



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	CD36
Protein Characteristics:	AA 30-439
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD36 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human CD36 Protein with C-terminal human Fc tag
Specificity:	CD36 (Gly30-Asn439) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	CD36
Alternative Name:	CD36 (CD36 Products)
Background:	The protein encoded by this gene is the fourth major glycoprotein of the platelet surface and

Target Details

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.

Molecular Weight: predicted molecular mass of 72.8 kDa after removal of the signal peptide. The apparent molecular mass of CD36-hFc is 100-130 kDa due to glycosylation.

UniProt: [P16671](#)

Pathways: [TLR Signaling](#), [Peptide Hormone Metabolism](#), [Response to Growth Hormone Stimulus](#), [Activation of Innate immune Response](#), [Cellular Response to Molecule of Bacterial Origin](#), [Regulation of Lipid Metabolism by PPARalpha](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [Hepatitis C](#), [Toll-Like Receptors Cascades](#), [Lipid Metabolism](#), [S100 Proteins](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

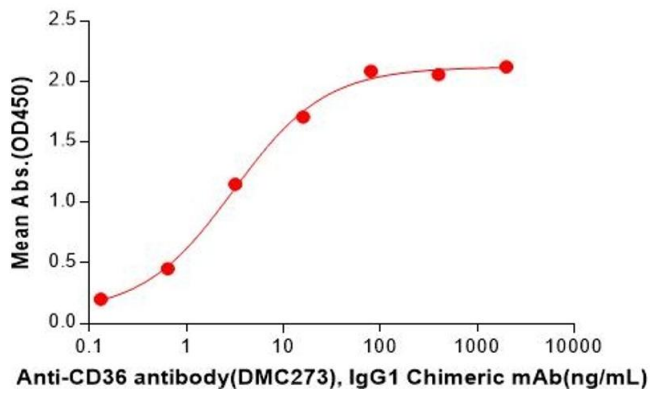
Storage: -20 °C, -80 °C

Storage Comment: 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.

Expiry Date: 12 months

Human CD36,hFc Tagged protein ELISA

0.2 µg of Human CD36, hFc tagged protein per well



ELISA

Image 1. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human CD36 Protein, hFc Tag (ABIN7092680, ABIN7272250 and ABIN7272251) can bind Anti-CD36 antibody, IgG1 Chimeric mAb in a linear range of 0.64-16 ng/mL.

SDS-PAGE

Image 2. Human CD36 Protein, hFc Tag on SDS-PAGE under reducing condition.