

Product datasheet for **TA400021**

CD36 Mouse Monoclonal Antibody [Clone ID: OTI4H7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4H7
Applications:	WB
Recommended Dilution:	WB: 1:1000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human CD36 (NP_000063) produced in HEK293T cell.
Formulation:	PBS (pH7.4) containing 50% glycerol, 0.1% BSA
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids by affinity chromatography
Conjugation:	HRP
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	52.9 kDa
Gene Name:	CD36 molecule
Database Link:	NP_000063 Entrez Gene 948 Human P16671



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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 encoding the same protein have been found for this gene. [provided by RefSeq]

Synonyms:

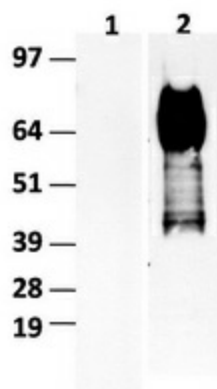
BDPLT10; CHDS7; FAT; GP3B; GP4; GPIV; PASIV; SCARB3

Protein Families:

Druggable Genome, Transmembrane

Protein Pathways:

Adipocytokine signaling pathway, ECM-receptor interaction, Hematopoietic cell lineage, PPAR signaling pathway

Product images:

HEK293T cells were transfected with pCMV6-ENTRY control (Lane 1) or pCMV6-ENTRY CD36 (Lane 2) plasmids for 48 hrs. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CD36-HRP.