

Product datasheet for **TA400016**

CD36 Mouse Monoclonal Antibody [Clone ID: OTI3F4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3F4
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 and 0.02% Na ₃
Concentration:	0.5 mg/ml
Purification:	Purified from cell culture supernatant by affinity chromatography
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	53.0 kDa
Gene Name:	CD36 molecule
Database Link:	NP_000063 Entrez Gene 948 Human P16671



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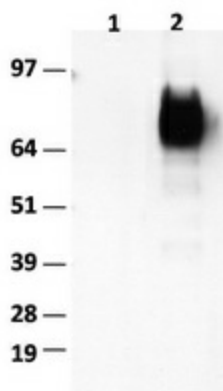
Background: The protein encoded by this gene is the fourth major glycoprotein of the platelet surface and serves as a receptor for thrombospondin in platelets and various cell lines. Since thrombospondins are widely distributed proteins involved in a variety of adhesive processes, this protein may have 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.

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-biotin and Streptavidin-HRP.