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Product datasheet for CF506366

CD36 Mouse Monoclonal Antibody [Clone ID: OTI1B3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1B3
Applications:	FC
Recommended Dilution:	WB 1:4000, IHC 1:150, IF 1:100
Reactivity:	Human, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human CD36(NP_000063) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
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 29184 RatEntrez Gene 948 Human P16671

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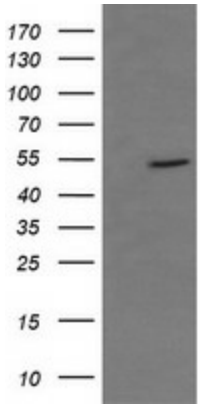
Background: The protein encoded by this gene is the fourth major glycoprotein of the platelet surface and serves as a receptor for thrombospondin in platelets and various cell lines. Since thrombospondins are widely distributed proteins involved in a variety of adhesive processes, this protein may have 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, Jul 2008]

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

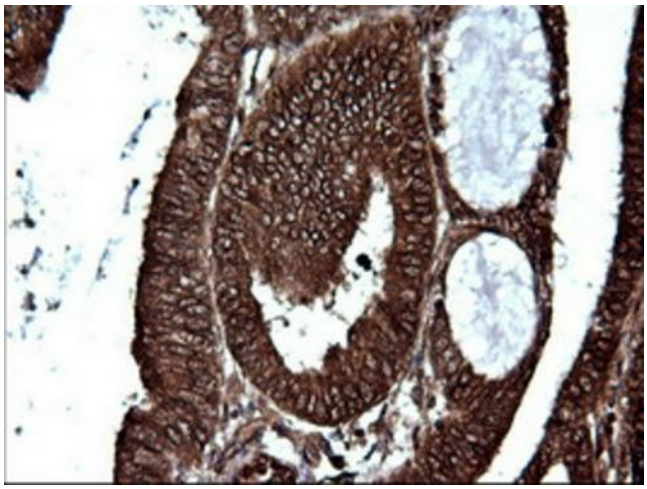
Protein Families: Druggable Genome, Transmembrane

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

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CD36 ([RC203254], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CD36.



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-CD36 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA506366])

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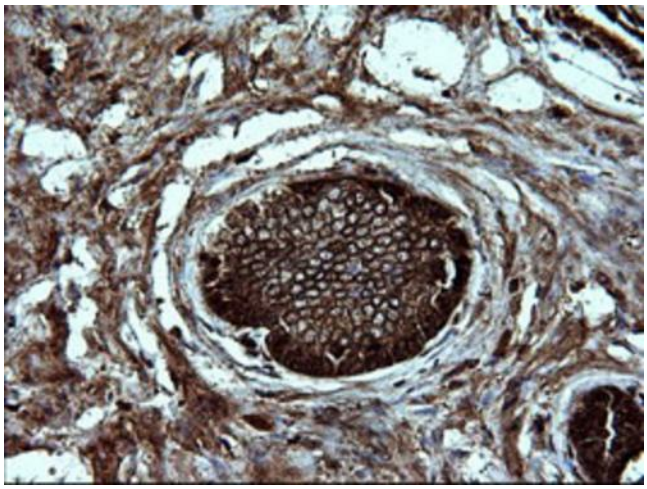
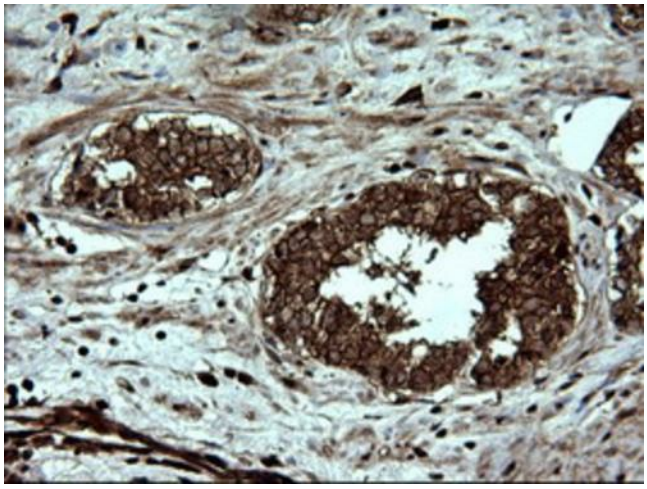
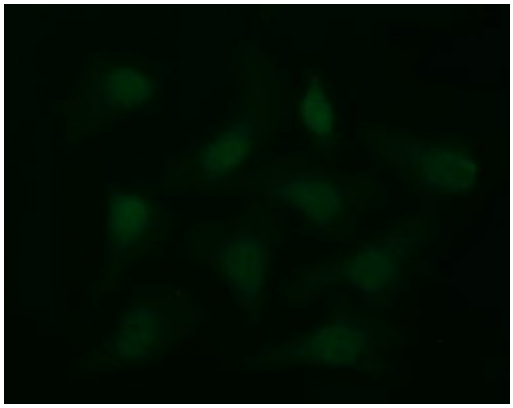


Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-CD36 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA506366])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-CD36 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA506366])



Immunofluorescent staining of HeLa cells using anti-CD36 mouse monoclonal antibody ([TA506366]).

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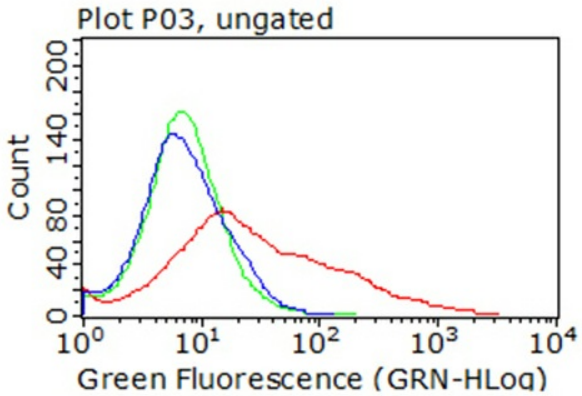

HEK293T cells transfected with either [RC203254] overexpress plasmid (Red), compared to an IgG isotype control, (Green) or empty vector control plasmid (Blue) were immunostained by anti-CD36 antibody ([TA506366]), and then analyzed by flow cytometry (1:100).

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