

Product datasheet for TA420136

Cd36 Rat Monoclonal Antibody [Clone ID: MF3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MF3
Applications:	FC, IF, WB
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	IL-4 treated murine thioglycollate-elicited peritoneal macrophages
Specificity:	CD36
Formulation:	Phosphate buffered saline containing 0.09% Sodium Azide (NaN ₃) Label: ALEXA FLUOR® 488, ALEXA FLUOR® 647, ALEXA FLUOR® 700, FITC, Low Endotoxin, Pacific Blue®, Purified, RPE, RPE-ALEXA FLUOR® 647, RPE-ALEXA FLUOR® 750 State: Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant Purified IgG - liquid
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	+4°C, -20°C if preferred
Stability:	Shelf life: one year from despatch.
Gene Name:	CD36 antigen
Database Link:	Q08857

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Background:

Rat anti Mouse CD36 antibody, clone MF3 recognizes mouse CD36, also known as platelet glycoprotein 4, glycoprotein IIIb or PAS IV. CD36 is an ~85 kDa multipass transmembrane glycoprotein primarily expressed on platelets, monocytes/macrophages, smooth muscle and endothelial cells. The CD36 molecule is type B scavenger receptor, which binds to multiple ligands including thrombospondin, anionic phospholipids, oxidized low density lipoproteins and long chain fatty acids. CD36 has diverse functions and is reported to play a role in innate immunity, platelet adhesion/aggregation and long chain fatty acid transport. The CD36 molecule also directly mediates cytoadhesion of erythrocytes infected with *Plasmodium falciparum*, and may be involved in the development of atherosclerotic lesions and the formation of foam cells. Rat anti Mouse CD36 antibody, clone MF3 has been shown to inhibit IL-4 induced thioglycollate-elicited peritoneal macrophage fusion and significantly block IL-4/GM-CSF-induced bone-marrow derived macrophage fusion.

Synonyms:

GPIV (IIIb)