

Mouse CD36 Monoclonal Antibody | anti-CD36 antibody

CD36 (Platelet & Microvessel Marker) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62878	Mouse	HumanOthers not known.	Immunofluorescence, Flow Cytometry, Functional Assay, Functional Assay

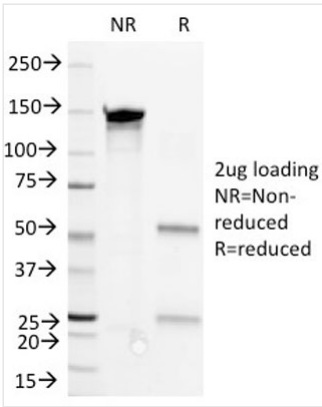
PRODUCT SYNONYMS

CD36; Monoclonal Antibody; CD36 (Platelet & Microvessel Marker) Mouse Monoclonal Antibody; Adipocyte membrane protein; CHDS7; Collagen receptor; platelet; fatty acid translocase (FAT); Fatty acid transport protein; glycoprotein iiib (GP IIb); PAS IV; PAS-4; pas4 protein; platelet collagen receptor; Platelet glycoprotein 4; scarb3; Scavenger receptor class B member 3; thrombospondin receptor; anti-CD36 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human Others not known.
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	1E8
Specificity	Recognizes a protein of 80kDa-90kDa, identified as CD36. It is expressed on platelets, monocytes and macrophages, microvascular endothelial cells, erythrocyte precursors, mammary epithelial cells, and some macrophage derived dendritic cells. CD36 acts as a receptor for thrombospondin (TSP), collagen types I, IV and V, P. falciparum malaria-infected erythrocytes, and sickle erythrocytes. It also functions as a scavenger receptor, mediating macrophage uptake of oxidized low-density lipoprotein (LDL) and recognition of apoptotic polymorphonuclear leukocytes (PMN). CD36 plays a role in platelet aggregation, macrophage foam cell development, inflammation, and the tissue ischemia observed in sickle cell disease and cerebral malaria. Note that 1-4% of Japanese and East Asia population lack CD36.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	472
Applicable Applications for anti-CD36 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry), FA (Functional Assay)
Cellular Localization	Cell Surface
Immunogen	Human CD36 from platelets
Human Chromosome Location	7q11.2
Positive Control	HEL or U937 cells. Platelets, monocytes, macrophages, microvascular endothelial cells in a tonsil.
Preparation and Storage	Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



SDS-PAGE
SDS-PAGE Analysis Purified CD36 Mouse Monoclonal Antibody (1E8).Confirmation of Purity and Integrity of Antibody.

ADDITIONAL INFORMATION

References	Stomski FC; Gani JS; Bates RC; Burns GF. Adhesion to thrombospondin by human embryonic fibroblasts is mediated by multiple receptors and includes a role for glycoprotein 88 (CD36). Experimental Cell Research, 1992, 198(1):85-92. Biggs BA; Gooze L; Wycherley K; Wilkinson D; Boyd AW; Forsyth KP; Edelman L; Brown GV; Leech JH. Knob-independent cytoadherence of Plasmodium falciparum to the leukocyte differentiation antigen CD36. Journal of Experimental Medicine, 1990, 171(6):1883-92
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NCBI AND UNIPROT INFORMATION

NCBI GI #	48375178
NCBI GeneID	948
NCBI Accession #	NP_000063.2
NCBI GenBank Nucleotide #	NM_000072.3
UniProt Accession #	P16671; Q13966; Q16093; Q8TCV7; Q9BPZ8; Q9BQC2; Q9BZM8; Q9BZN3; D9IX66; D9IX67; D9IX68; D9IX69
Molecular Weight	80-90kDa
NCBI Official Full Name	platelet glycoprotein 4 isoform 1
NCBI Official Synonym Full Names	CD36 molecule
NCBI Official Symbol	CD36
NCBI Official Synonym Symbols	FAT; GP4; GP3B; GPIV; CHDS7; PASIV; SCARB3; BDPLT10
NCBI Protein Information	platelet glycoprotein 4
UniProt Protein Name	Platelet glycoprotein 4
UniProt Gene Name	CD36
UniProt Synonym Gene Names	GP3B; GP4; FAT; GPIIIB; GPIV
UniProt Entry Name	CD36_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.