

Mouse anti-Human CD36 Antibody | anti-CD36 antibody

Anti-Hu CD36 APC-Cyanine7

CATALOG # AAA128984	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD36; Anti-Hu CD36 APC-Cyanine7; CD36 molecule; GPIIb; Platelet glycoprotein 4; Platelet glycoprotein IV; GPIV; Glycoprotein IIIb; GPIIB; PAS IV; PAS-4; Platelet collagen receptor; Fatty acid translocase; FAT; Thrombospondin receptor; PASIV; anti-CD36 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Isotype	IgG1
Clone Number	TR9
Specificity	The antibody TR9 reacts with an extracellular epitope of CD36 (GPIIb), a 85 kDa integral membrane glycoprotein expressed on platelets, macrophages, endothelial cells, early erythroid cells and megakaryocytes. The antibody TR9 cross-blocks binding of FITC-labeled standard antibody OKM5. Anti-CD36 antibodies inhibit adhesive functions (e.g. adherence of infected erythrocytes to target cells).
Purity/Purification	The purified antibody is conjugated with tandem dye APC-Cyanine7 under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Sequence Length	472
Applicable Applications for anti-CD36 antibody	FCM/FACS (Flow Cytometry)
Immunogen	Platelets
Conjugation	APC-Cyanine7
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.

ADDITIONAL INFORMATION

Related Product Information for anti-CD36 antibody	CD36 (fatty acid translocase, FAT) is an 88 kDa ditopic glycosylated protein that belongs to the class B family of scavenger receptors. CD36 is expressed by most resting marginal zone B cells but not by follicular and B1 B cells, and it is rapidly induced on Follicular B cells in vitro upon TLR and CD40 stimulation. CD36 does not affect the development of B cells, but modulates both primary and secondary antibody response. Similarly to glucose transporter GLUT4, CD36 is translocated from intracellular pools to the plasma membrane following cell stimulation by insulin. In mouse, CD36 is responsible for gustatory perception of long-chain fatty acids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	115982
NCBI GeneID	948
UniProt Accession #	P16671

NCBI Official Full Name	Platelet glycoprotein 4
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; GPIIB; 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.

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Online datasheet: <https://www.aaabiotech.com/mouse-human-antibody/cd36/128984>