

Mouse anti-Human CD36 Monoclonal Antibody | anti-CD36 antibody

anti-human CD36-Biotin

CATALOG # AAA78157	HOST Mouse	REACTIVITY Human
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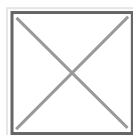
PRODUCT SYNONYMS

CD36; Monoclonal Antibody; anti-human CD36-Biotin; Monoclonal anti-human CD36/Biotin; anti-CD36 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgMk
Clone Number	SMO
Form/Format	50 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN ₃ (as a preservative).
Concentration	1.0 mg/ml (varies by lot)
Immunogen	Human tonsil cells/PBM
Production	Antibody from (low FBS containing) tissue culture supernatant was size exclusion purified to 95% Immunoglobulin by SDS-PAGE, and reacted with NHS-Biotin. Unconjugated Biotin was removed from conjugate using a desalting column.
Performance	Five x 10 ⁵ ficoll prepared human peripheral blood mononuclear cells (PBMC) were washed and pre incubated ~5 minutes with 20 ul of 250 ug/ml human IgG (to block non specific binding), after which they were incubated 45 minutes on ice with 80 ul of anti-CD36/Biotin at 10 ug/ml. Cells were washed twice and incubated with 2 ^o reagent Streptavidin/R-PE , after which they were washed three times, fixed and analyzed by FACS. A 7.5% sub population of cells stained positive with a mean shift of 2.3 log ₁₀ fluorescent units when compared to a Mouse IgM/Biotin negative control .
Preparation and Storage	Store at 2 - 5°C. Do not freeze.

IMAGES



FCM/FACS (Flow Cytometry)

ADDITIONAL INFORMATION

Related Product Information for anti-CD36 antibody

Human CD36 is a major platelet glycoprotein also found on monocytes, macrophages and some endothelial cells. CD36 may play a role in cell adhesion as a receptor for thrombospondin. CD36 is a receptor for adhesion of malaria infected erythrocytes. CD36 is also reported to have a role in phagocytosis. Antibody SMO recognizes the CD36 molecule of 88 kd.

References	N. Hogg, et al, (1984) Immunology 53: 753-767. P. Oquendo, et al, (1989) Cell 58: 95-101. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 1269-1289. Y. Ren, et al, (1995) J Exp Med 181: 1857-1862.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	12620274
NCBI GeneID	948
NCBI Official Full Name	CD36, partial
NCBI Official Synonym Full Names	CD36 molecule (thrombospondin receptor)
NCBI Official Symbol	CD36
NCBI Official Synonym Symbols	FAT; GP4; GP3B; GPIV; CHDS7; PASIV; SCARB3; BDPLT10
NCBI Protein Information	platelet glycoprotein 4; GPIIIB; PAS IV; PAS-4 protein; glycoprotein IIb; cluster determinant 36; fatty acid translocase; platelet glycoprotein IV; scavenger receptor class B, member 3; leukocyte differentiation antigen CD36; CD36 antigen (collagen type I receptor, thrombospondin receptor)
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.