

Rat CD36 Monoclonal Antibody | anti-CD36 antibody

RAT ANTI MOUSE CD36:FITC

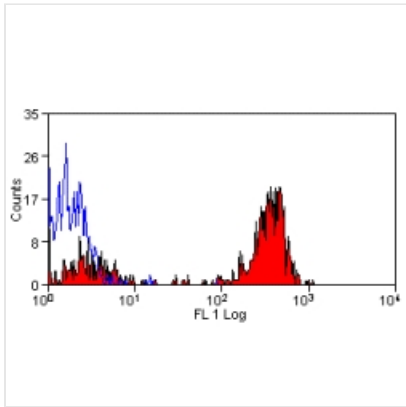
CATALOG # AAA12221	HOST Rat	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

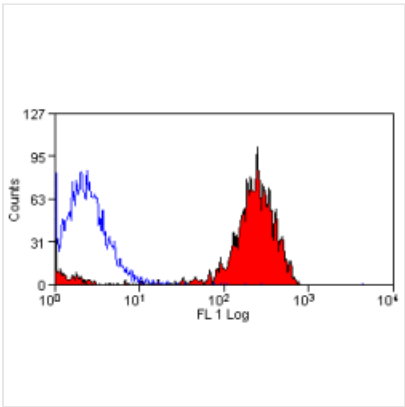
CD36; Monoclonal Antibody; RAT ANTI MOUSE CD36:FITC; anti-CD36 antibody

PRODUCT SPECIFICATIONS

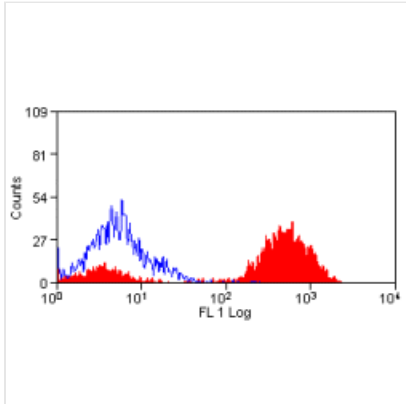
Host	Rat
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	MF3
Form/Format	FITC Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
Concentration	IgG concentration 0.1mg/ml (varies by lot)
Sequence Length	472
Applicable Applications for anti-CD36 antibody	FCM/FACS (Flow Cytometry)
Application Notes	Flow Cytometry: Maximum Dilution: Neat Flow Cytometry: Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul. Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.
Perservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin
Preparation	Purified IgG prepared by affinity chromatography on Protein G
Immunogen	IL-4 treated murine thioglycollate-elicited peritoneal macrophages.
Fusion Partners	Spleen cells from immunised DA rats were fused with cells of the Y3Ag 1.2.3 myeloma cell line.
Buffer Solution	Phosphate buffered saline
Target Species	Mouse
Preparation and Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.



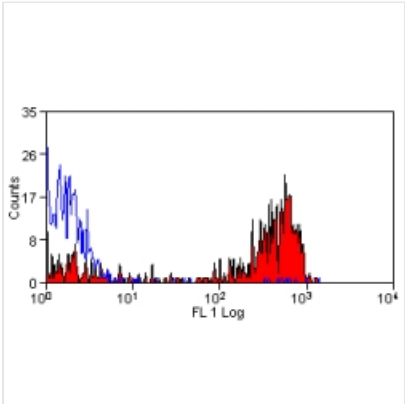
Application Data
Staining of mouse peripheral blood platelets with Rat anti Mouse CD36:FITC



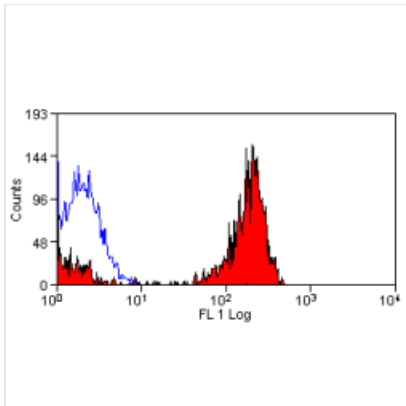
Application Data
Staining of mouse peripheral blood platelets with Rat anti Mouse CD36



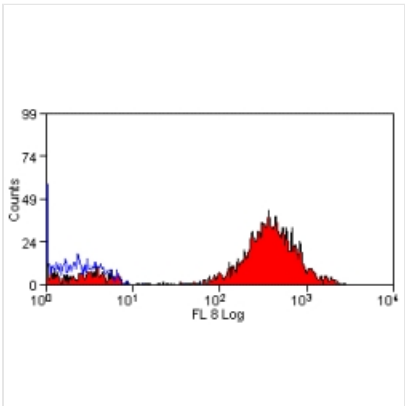
Application Data
Staining of mouse peripheral blood platelets with Rat anti Mouse CD36:Low Endotoxin



Application Data
Staining of Mouse peripheral blood platelets with Rat anti Mouse CD36 Alexa Fluor 488



Application Data
Staining of mouse peripheral blood platelets with Rat anti Mouse CD36



Application Data
Staining of Mouse peripheral blood platelets with Rat anti Mouse CD36: Alexa Fluor 647

ADDITIONAL INFORMATION

Related Product Information for anti-CD36 antibody

Rat anti Mouse CD36 antibody, clone MF3 recognizes mouse CD36, an 85kD transmembrane glycoprotein which is 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	227116347
NCBI GeneID	12491
NCBI Accession #	NP_001153027.1
NCBI GenBank Nucleotide #	NM_001159555.1
UniProt Accession #	Q08857
NCBI Official Full Name	platelet glycoprotein 4
NCBI Official Synonym Full Names	CD36 antigen
NCBI Official Symbol	Cd36
NCBI Official Synonym Symbols	FAT; GPIV; Scarb3
NCBI Protein Information	platelet glycoprotein 4; GPIIIB; PAS IV; PAS-4; fatty acid translocase; glycoprotein IIIb; platelet glycoprotein IV
UniProt Protein Name	Platelet glycoprotein 4
UniProt Gene Name	Cd36
UniProt Synonym Gene Names	GPIIIB; GPIV
UniProt Entry Name	CD36_MOUSE

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://stage.aaabiotech.com/monoclonal/cd36-antibody-clone-mf3-flow-cytometry-elisa/12221>