

Mouse CD36 Monoclonal Antibody | anti-CD36 antibody

MOUSE ANTI HUMAN CD36:Preservative Free

CATALOG # AAA11847	HOST Mouse	APPLICATIONS Immunohistochemistry, Flow Cytometry, Functional Assay, Functional Assay
------------------------------	----------------------	---

PRODUCT SYNONYMS

CD36; Monoclonal Antibody; MOUSE ANTI HUMAN CD36:Preservative Free; anti-CD36 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgM
Clone Number	SMØ
Form/Format	Preservative Free Purified IgM - liquid
Concentration	IgM concentration 1 mg/ml (varies by lot)
Sequence Length	472
Applicable Applications for anti-CD36 antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), FA (Functional Assay)
Application Notes	Flow Cytometry: Use 10ul of the suggested working dilution to label 106 cells or 100ul whole blood. Flow Cytometry: Minimum Dilution: 1/25; Maximum Dilution: 1/50
Preparation	Purified IgM prepared by ammonium sulphate precipitation from tissue culture supernatant
Immunogen	Human tonsil cells and peripheral blood mononuclear cells. Buffer Solution
Target Species	Human
Preparation and Storage	Store at -20o only. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein. Storage in frost free freezers is not recommended. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

IMAGES



Application Data

Staining of human peripheral blood platelets with Mouse anti Human CD36



Application Data

Staining of human peripheral blood platelets with Mouse anti Human CD36

**Application Data**

Immunoperoxidase staining of human tonsil cryosection with Mouse anti Human CD36 antibody, clone SM[™]; followed by the HISTAR detection system . High power SM[™];

**Application Data**

Staining of human peripheral blood lymphocytes with Mouse anti Human CD36: FITC

**Application Data**

Staining of human peripheral blood monocytes with Mouse anti Human CD36: Azide Free

**Application Data**

Staining of human peripheral blood monocytes with Mouse anti Human CD36: Alexa Fluor 647

ADDITIONAL INFORMATION

Related Product Information for anti-CD36 antibody

Mouse anti Human CD36 antibody, clone SM[™] recognizes the CD36 antigen, an 88kD cell surface glycoprotein expressed by platelets, monocytes/macrophages and also by some microvascular endothelium and erythroid precursors. CD36 is the receptor for thrombospondin. When expressed by monocytes and macrophages, CD36 acts as a receptor for oxidized LDL and for apoptotic polymorphonuclear cells. Mouse anti Human CD36 antibody, clone SM[™] partially inhibits collagen induced platelet aggregation and macrophage ingestion of apoptotic human neutrophils. It has been reported that this antibody may activate platelets as measured by fibrinogen binding, P-Selectin expression and Annexin V binding - for further details please contact our Technical Services team. Mouse anti Human CD36 antibody, clone SM[™] is also reported to block interaction of oxidised low-density lipoprotein (OxLDL) with CD36 (Sugihara et al.1992).

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	46,090 Da
NCBI Official Full Name	platelet glycoprotein 4 isoform 1
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; CD36 antigen (collagen type I receptor, thrombospondin receptor); GPIIIB; PAS IV; PAS-4 protein; cluster determinant 36; fatty acid translocase; glycoprotein IIIb; leukocyte differentiation antigen CD36; platelet glycoprotein IV; scavenger receptor class B, member 3
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.

