

CD36 Rabbit mAb

Catalog No: #49232

Package Size: #49232-1 50ul #49232-2 100ul

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Description

Product Name	CD36 Rabbit mAb
Clone No.	JJ2005
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	Adipocyte membrane protein antibody BDPLT10 antibody CD36 antibody CD36 antigen (collagen type I receptor, thrombospondin receptor) antibody CD36 antigen antibody CD36 molecule (thrombospondin receptor) antibody CD36 molecule antibody CD36_HUMAN antibody CHDS7 antibody Cluster determinant 36 antibody Collagen receptor, platelet antibody FAT antibody Fatty acid translocase antibody Fatty acid transport protein antibody Glycoprotein IIIb antibody GP IIIb antibody GP3B antibody GP4 antibody GPIIB antibody GPIV antibody Leukocyte differentiation antigen CD36 antibody MGC108510 antibody MGC91634 antibody PAS 4 protein antibody PAS IV antibody PAS-4 antibody PASIV antibody Platelet collagen receptor antibody Platelet glycoprotein 4 antibody Platelet glycoprotein IV antibody scarb3 antibody Scavenger receptor class B member 3 antibody Thrombospondin receptor antibody
Accession No.	Swiss-Prot#:P16671
Calculated MW	70-110kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

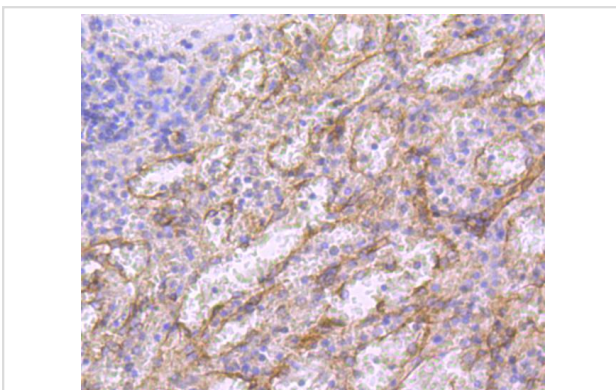
WB: 1:1,000

IHC: 1:50-1:200

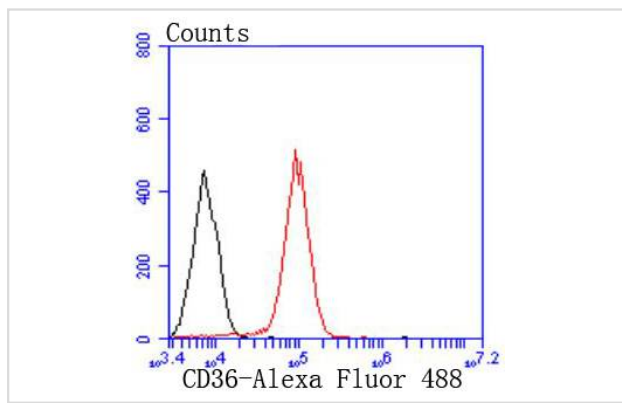
ICC: 1:50-1:200

FC: 1:50-1:100

Images



Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-CD36 antibody. Counter stained with hematoxylin.



Flow cytometric analysis of THP-1 cells with CD36 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

CD36 (collagen type I receptor, thrombospondin receptor, FAT, GP4, GP3B, GPIV, PASIV, SCARB3) is a membrane glycoprotein on platelets, monocytes and umbilical vein endothelial cells. CD36 binds to collagen, thrombospondin, anionic phospholipids and oxidized LDL. CD36 plays a key role in both phagocytosis and lipid recycling, for constant production of mature spermatozoa. Mutations in this gene cause platelet glycoprotein deficiency. Three alternatively spliced transcript variants encoding the same protein isoform have been found for this gene. Thrombospondins are widely distributed proteins that influence a variety of adhesive processes and CD36 may have important functions as a cell adhesion molecule.

References

1. Ruegsegger GN et al. Rapid Alterations in Perirenal Adipose Tissue Transcriptomic Networks with Cessation of Voluntary Running. PLoS One 10:e0145229 (2015).
2. Hua W et al. CD36 Mediated Fatty Acid-Induced Podocyte Apoptosis via Oxidative Stress. PLoS One 10:e0127507 (2015).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.