

CD36 monoclonal antibody, clone SMf

Catalog # MAB6228

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native CD36.
Immunogen	Native purified from human tonsil cells and PBMC.
Host	Mouse
Reactivity	Human
Specificity	human CD36.
Form	Liquid
Isotype	IgM
Recommend Usage	Flow Cytometry (1 ug/10 ⁶ cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In 100 mM BBS, pH 8.2
Storage Instruction	Store at 4°C.

Applications

- Western Blot
- Immunohistochemistry (Frozen sections)
- Flow Cytometry

Gene Info — CD36

Entrez GeneID

[948](#)

Gene Name	CD36
Gene Alias	CHDS7, FAT, GP3B, GP4, GPIV, PASIV, SCARB3
Gene Description	CD36 molecule (thrombospondin receptor)
Omim ID	173510 248310 608404 610938 611162
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is the fourth major glycoprotein of the platelet surface and serve s as a receptor for thrombospondin in platelets and various cell lines. Since thrombospondins are widely distributed proteins involved in a variety of adhesive processes, this protein may have imp ortant functions as a cell adhesion molecule. It binds to collagen, thrombospondin, anionic phosph olipids and oxidized LDL. It directly mediates cytoadherence of Plasmodium falciparum parasitiz ed erythrocytes and it binds long chain fatty acids and may function in the transport and/or as a re gulator of fatty acid transport. Mutations in this gene cause platelet glycoprotein deficiency. Multipl e alternatively spliced transcript variants encoding the same protein have been found for this gene . [provided by RefSeq]
Other Designations	CD36 antigen CD36 antigen (collagen type I receptor, thrombospondin receptor) PAS-4 protein cl uster determinant 36 fatty acid translocase glycoprotein IIb leukocyte differentiation antigen CD36 platelet glycoprotein IV scavenger receptor class B, member

Publication Reference

- [Changes of the major sperm maturation-associated epididymal protein HE5 \(CD52\) on human ejaculated spermatozoa during incubation.](#)

Yeung CH, Perez-Sanchez F, Schroter S, Kirchhoff C, Cooper TG.

Molecular Human Reproduction 2001 Jul; 7(7):617.

- [Membrane glycoprotein CD36: a review of its roles in adherence, signal transduction, and transfusion medicine.](#)

Greenwalt DE, Lipsky RH, Ockenhouse CF, Ikeda H, Tandon NN, Jamieson GA.

Blood 1992 Sep; 80(5):1105.

Application: Flow Cyt, Func, Neutralization, Human, Mouse, CMK, HEL, M-07 cells, Monocytes, Platelets

Pathway

- [Adipocytokine signaling pathway](#)
- [ECM-receptor interaction](#)
- [Hematopoietic cell lineage](#)

- [PPAR signaling pathway](#)

Disease

- [Anemia](#)
- [Angina Pectoris](#)
- [Atherosclerosis](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Colon cancer](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis](#)
- [Hypertension](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Macular Degeneration](#)
- [Malaria](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Obesity](#)
- [Osteoarthritis](#)
- [Perception](#)

- [Taste](#)