

CD36 monoclonal antibody, clone TR9 (APC)

Catalog # MAB9790

Size 100 Reactions

Specification

Product Description	Mouse monoclonal antibody raised against native CD36.
Immunogen	Native purified CD36 from human platelets.
Host	Mouse
Theoretical MW (kDa)	85
Reactivity	Human
Specificity	The antibody TR9 reacts with CD36 (GP1Ib), a 85 kDa integral membrane glycoprotein expressed on platelets, macrophages, endothelial cells, early erythroid cells and megakaryocytes. The antibody TR9 cross-blocks binding of FITC-labeled standard antibody OKM5.
Form	Liquid
Conjugation	APC
Purification	Size-exclusion chromatography purification
Isotype	IgG1
Recommend Usage	Flow Cytometry (10 uL reagent/100 uL of whole blood or 10 ⁶ cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.02% BSA, 0.09% sodium azide)
Storage Instruction	Store in the dark at 4°C. Avoid prolonged exposure to light. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- 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

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](#)