

CD36 monoclonal antibody, clone TR9

Catalog # MAB0971

Size 100 ug

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	This antibody reacts with CD36 (GP1Ib), a 85 KDa integral membrane glycoprotein expressed on platelets, macrophages, endothelial cells, early erythroid cells and megakaryocytes. Anti-CD36 antibodies inhibit adhesive functions (e.g. adherence of infected erythrocytes to target cells).
Form	Liquid
Purification	Protein-A affinity chromatography.
Concentration	1 mg/mL
Isotype	IgG1
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM Tris-HCl, pH 7.4 (0.09% sodium azide)
Storage Instruction	Store at 4°C. 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, PASV, 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 serves 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 important functions as a cell adhesion molecule. It binds to collagen, thrombospondin, anionic phospholipids and oxidized LDL. It directly mediates cytoadherence of Plasmodium falciparum parasitized erythrocytes and it binds long chain fatty acids and may function in the transport and/or as a regulator of fatty acid transport. Mutations in this gene cause platelet glycoprotein deficiency. Multiple 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|cluster 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](#)