

CD36 monoclonal antibody, clone 1283D

Catalog # MAB23691

Size 100 ug

Specification

Product Description	Rabbit monoclonal antibody raised against human CD36.
Immunogen	A synthetic peptide corresponding to amino acids 100-150 of human CD36.
Host	Rabbit
Form	Liquid
Purification	Protein A purification or Protein G purification
Concentration	1 mg/ mL
Isotype	IgG
Recommend Usage	Immunocytochemistry (10-20 ug/mL) Immunofluorescence (10-20 ug/mL) Immunohistochemistry (5-10 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (5-10 ug/mL) Western Blot (1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% sodium azide).
Storage Instruction	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Immunohistochemistry
- Immunocytochemistry
- Immunofluorescence

Gene Info — CD36

Entrez GeneID [948](#)

Protein Accession# [P16671](#)

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 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](#)