



Anti-CD36 monoclonal antibody, clone 4G5 (CABT-ZC1110)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse Monoclonal Antibody to Human CD36 molecule,
Antigen Description	Platelet glycoprotein 4, also known as Leukocyte differentiation antigen CD36, GPIIIB, GP3B, FAT, and CD36, is integral membrane protein found on the surface of many cell types in vertebrate animals. It belongs to the CD36 family and is found on platelets, erythrocytes, monocytes, differentiated adipocytes, mammary epithelial cells, spleen cells and some skin microdermal endothelial cells. CD36 has also been implicated in hemostasis, thrombosis, malaria, inflammation, lipid metabolism and atherogenesis. CD36 seems to have numerous potential physiological functions. It binds to collagen, thrombospondin, anionic phospholipids and oxidized LDL. It directly mediates cytoadherence of Plasmodium falciparum parasitized erythrocytes and binds long chain fatty acids. CD36 may also function as a cell adhesion molecule and in the transport and/or as a regulator of fatty acid transport. Defects in CD36 are the cause of platelet glycoprotein IV deficiency also known as CD36 deficiency. As a receptor for thrombospondin 1, CD36 plays a role in the regulation of angiogenesis, which may be a therapeutic strategy for controlling the dissemination of malignant neoplasms.
Target	CD36
Immunogen	Full length human recombinant protein of human CD36 produced in HEK293T cell.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	4G5
Conjugate	Unconjugated

Applications	ELISA, LMNX
Buffer	Stored in PBS (pH 7.4) containing 0.05% sodium azide and up to 5% trehalose.
Preservative	0.05% Sodium Azide
Storage	Shipped at 4 °C. Upon delivery store at -20 °C. Dilute in PBS (pH7.3) before use. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

GENE INFORMATION

Entrez Gene ID	948
UniProt ID	A4D1B1