

Mouse Monoclonal Antibody to CD36

Catalogue Number	sAP-1032
Target Molecule	Name: CD36 Aliases: FAT; GP4; GP3B; GPIV; CHDS7; PASIV; SCARB3; BDPLT10 MW: 53kDa Entrez Gene ID: 948
Description	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.
Immunogen	Purified recombinant fragment of human CD36 (AA: 30-130) expressed in E. Coli.
Reactive Species	Human;
Clone	MM5B6B2;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Blood. 2011 Jun 9;117(23):6355-66.; 2. J Thromb Haemost. 2011 Sep;9(9):1835-46.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**