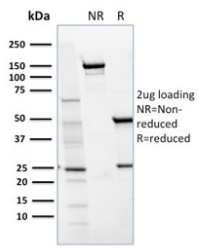
CD36 Antibody GPIIIb/1654 / Platelet glycoprotein 4 [clone GPIIIb/1654] (V3005)

Catalog No.	Formulation	Size
V3005-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3005-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3005SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	GPIIIb/1654
Purity	Protein G affinity chromatography
UniProt	P16671
Localization	Cell surface
Applications	Flow cytometry: 0.5-1ug/10^6 cells Immunofluorescence: 0.5-1ug/ml
Limitations	This CD36 Antibody GPIIIb/1654 is available for research use only.



SDS-PAGE analysis of purified, BSA-free CD36 antibody GPIIIb/1654 as confirmation of integrity and purity.

Description

CD36 Antibody GPIIIb/1654 recognizes a protein of 80kDa-90kDa, identified as CD36. It is expressed on platelets, monocytes and macrophages, microvascular endothelial cells, erythrocyte precursors, mammary epithelial cells, and some macrophage derived dendritic cells. CD36 acts as a receptor for thrombospondin (TSP), collagen types I, IV and V, P. falciparum malaria-infected erythrocytes, and sickle erythrocytes. It also functions as a scavenger receptor, mediating macrophage uptake of oxidized low-density lipoprotein (LDL) and recognition of apoptotic polymorphonuclear leukocytes (PMN). CD36 plays a role in platelet aggregation, macrophage foam cell development, inflammation, and the tissue ischemia observed in sickle cell disease and cerebral malaria. Note that 1-4% of Japanese and East Asia population lack CD36.

Visit our CD36 Antibody page to discover additional antibodies against this Fatty Acid Translocase and multifunctional scavenger receptor involved in fatty acid uptake, cardiovascular biology, and cancer metabolism.

Application Notes

Optimal dilution of the CD36 Antibody GPIIIb/1654 should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 min.

Immunogen

Recombinant human protein was used as the immunogen for the CD36 antibody.

Storage

Store the CD36 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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