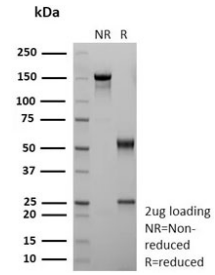
Recombinant CD36 Antibody [clone rGPIIIb/9240] (V5503)

Catalog No.	Formulation	Size
V5503-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5503-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5503SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant | MOUSE MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG2b, kappa
Clone Name	rGPIIIb/9240
Purity	Protein A/G affinity
UniProt	P16671
Localization	Cell membrane
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This recombinant CD36 antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free recombinant CD36 antibody (clone rGPIIIb/9240) as confirmation of integrity and purity.

Description

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.

Application Notes

Optimal dilution of the recombinant CD36 antibody should be determined by the researcher.

Immunogen

Recombinant full-length human CD36 protein was used as the immunogen for the recombinant CD36 antibody.

Storage

Aliquot the recombinant CD36 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.