CD36 (Platelet & Microvessel Marker) Antibody

Mouse Monoclonal Antibody [Clone 1.00E+08]

Catalog No	Format	Size
948-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
948-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
948-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

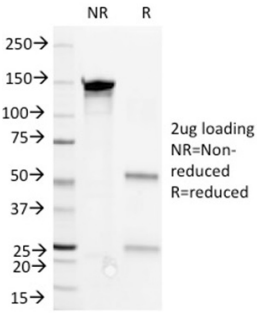
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

Product Details

Clone	1.00E+08
Gene Name	CD36
Immunogen	Human CD36 from platelets
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	80-90kDa
Cellular Localization	Apical cell membrane, Cell membrane, Golgi apparatus, Membrane raft
Species Reactivity	Human
Positive Control	HEL or U937 cells. Platelets, macrophages, microvascular endothelial cells in a tonsil., monocytes

**Optimal dilution for a specific application should be determined.*

Product Images for CD36 (Platelet & Microvessel Marker) Antibody



SDS-PAGE Analysis of Purified CD36 Mouse Monoclonal Antibody (1E8).Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

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.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Cytokine Signaling, Developmental Biology, Endothelial Cell Marker, Hematopoietic Stem Cells, Immunology, Infectious Disease

Limitations and Warranty

This antibody is available for research use only and is not approved for diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.