

Product Datasheet

CD36 Antibody (185-1G2) [mFluor Violet 500 SE] NBP2-95271MFV500

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP2-95271MFV500

CD36 Antibody (185-1G2) [mFluor Violet 500 SE]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	185-1G2
Preservative	0.05% Sodium Azide
Isotype	IgG2a Kappa
Conjugate	mFluor Violet 500 SE
Purity	Protein A or G purified
Buffer	50mM Sodium Borate

Product Description	
Host	Mouse
Gene ID	948
Gene Symbol	CD36
Species	Human
Marker	Platelet & Microvessel Marker
Specificity/Sensitivity	Recognizes a protein of 80kDa-90kDa, identified as CD36 (Workshop IV; Code P-26). Its epitope maps between aa155-183. 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. This monoclonal antibody blocks adhesion of P. falciparum parasitized red blood cells to CD36 and strongly inhibits collagen-induced platelet aggregation.
Immunogen	This CD36 Antibody (185-1G2) was developed against stimulated human leukocytes
Notes	mFluor(TM) is a trademark of AAT Bioquest, Inc. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.

Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunofluorescence
Recommended Dilutions	Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunofluorescence
Application Notes	Optimal dilution of this antibody should be experimentally determined.



Images

CD36 Antibody (185-1G2) [mFluor Violet 500 SE] - Vial of mFluor Violet 500 conjugated antibody. mFluor Violet 500 is optimally excited at 410 nm by the Violet laser (405 nm) and has an emission maximum of 501 nm.



mFluor™ Violet 500

LASER (nm)	FILTER
Violet (405)	515/20

EXCITATION MAX (nm)	EMISSION MAX (nm)
410	501



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Products Related to NBP2-95271MFV500

NB400-144PEP	CD36 Antibody Blocking Peptide
210-TA-005	TNF-alpha [Unconjugated]
NB400-145PEP	CD36 Antibody Blocking Peptide
D6050	IL-6 [HRP]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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