

Product datasheet for **SM1769A**

CD36 Mouse Monoclonal Antibody [Clone ID: SM0]

Product data:

Product Type:	Primary Antibodies
Clone Name:	SM0
Applications:	FC, FN, IHC, WB
Recommended Dilution:	Western Blot. Functional Assays. Flow Cytometry: Use 10 µl of 1/25-1/50 diluted antibody to label 10e6 cells or 100 µl of whole blood.
Reactivity:	Human
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	Human tonsil cells and peripheral blood mononuclear cells.
Specificity:	This antibody recognizes the CD36 antigen. This antibody partially inhibits collagen induced platelet aggregation and macrophage ingestion of apoptotic Human neutrophils. This clone is also reported to block interaction of oxidised low-density lipoprotein (OXLDL) with CD36.
Formulation:	PBS without preservatives State: Azide Free State: Liquid purified IgM fraction Stabilizer: None Preservative: None
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD36 molecule



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Database Link: [Entrez Gene 948 Human P16671](#)

Background: CD36 is an 88kD cell surface glycoprotein expressed by platelets, monocytes/macrophages and also by some microvascular endothelium and erythroid precursors. CD36 is the receptor for thrombospondin. When expressed by monocytes and macrophages, CD36 acts as a receptor for oxidized LDL and for apoptotic polymorphonuclear cells.

Synonyms: Glycoprotein IIIb, PAS IV, PAS-4, Thrombospondin receptor, GP3B, GP4

Product images:

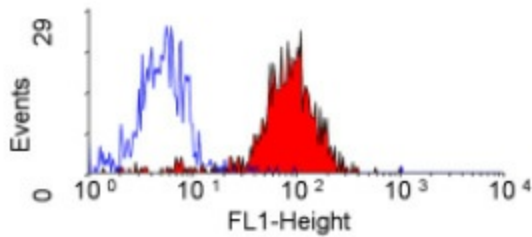


Figure 1. staining of human peripheral blood monocytes.