

## Product datasheet for **SM1769PT**

### CD36 Mouse Monoclonal Antibody [Clone ID: SM0]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	SM0
Applications:	FC, IHC, WB
Recommended Dilution:	Flow Cytometry: Use 10 µl of 1/10-1/20 diluted antibody to label 10e6 cells in 100 µl. Immunohistochemistry on Frozen Sections. Western Blot: under non-reducing conditions.
Reactivity:	Human
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	Human tonsil cells and peripheral blood mononuclear cells.
Specificity:	This antibody recognises the CD36 antigen. SM1769PT 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. We recommend the use of SM1769A for this purpose.
Formulation:	PBS containing 0.09% Sodium Azide as preservative. State: Purified State: Liquid purified IgM fraction.
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C. <b>DO NOT FREEZE!</b>
Stability:	Shelf life: one year from despatch.
Gene Name:	CD36 molecule
Database Link:	<a href="#">Entrez Gene 948 Human P16671</a>



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**Background:** CD36 is an 88kD cell surface glycoprotein expressed by platelets and 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