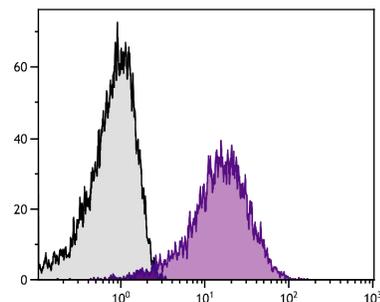




Mouse Anti-Human CD36

Cat. No.	Format	Size
9605-01	Purified (UNLB)	0.1 mg
9605-02	Fluorescein (FITC)	100 tests



Human peripheral blood platelets were stained with Mouse Anti-Human CD36-FITC (SB Cat. No. 9605-02).

Overview

Clone	SM ϕ
Isotype	Mouse (BALB/c) IgM κ
Immunogen	Tonsil cells and peripheral blood mononuclear cells
Specificity	Human CD36; Mr 88 kDa
Alternate Name(s)	GPIIb, GPIV, OKM5-antigen, PASIV
Workshop	IV P42; V P037

Description

CD36, also known as GPIV, is an 88 kDa glycoprotein that is a receptor for extracellular matrix proteins such as collagen and thrombospondin. Its expression is restricted to platelets, monocytes, macrophages, erythrocyte precursors, adipocytes, activated keratinocytes, and some endothelial and epithelial cells. CD36 is a multifunctional protein that has roles as a cell adhesion molecule, a scavenger receptor, a signal transducer and in the pathogenesis of malaria via its affinity for *Plasmodium falciparum* erythrocyte membrane protein 1 (PEMP1). CD36 on macrophages functions in the phagocytic clearance of apoptotic cells.

Applications

FC – Quality tested ¹
 IHC-FS – Reported in literature ¹
 IHC-PS – Reported in literature ²
 ICC – Reported in literature ¹
 WB-NR – Reported in literature ^{3,4}
 Block – Reported in literature ⁵
 Sep – Reported in literature ⁶
 ELISA – Reported in literature ⁷

Working Dilutions

Flow Cytometry	Purified (UNLB) antibody	$\leq 1 \mu\text{g}/10^6$ cells
	FITC conjugate	$10 \mu\text{L}/10^6$ cells
For flow cytometry, the suggested use of these reagents is in a final volume of 100 μL		

Other Applications Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.

For Research Use Only. Not for Diagnostic or Therapeutic Use.

Handling and Storage

- The purified (UNLB) antibody is supplied as 0.1 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The fluorescein (FITC) conjugate is supplied as 100 tests in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

Warning

Some reagents contain sodium azide. Please refer to product specific SDS.

References

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