

Mouse Anti Human CD42b Purified

PRODUCT INFORMATION

CLONE:	HIP1
ISOTYPE:	Mouse IgG1, κ
WS.No.:	IVP40
CATALOG#:	A6641/A6641-bulk
CONTENTS:	Purified antibody buffered in 10mM PBS (pH 7.0) with 0.1% NaN ₃ .

DESCRIPTION

CD42b McAb recognizes a glycoprotein, heterodimer (GPIb α) which contains an α chain (CD42b, 145KD) and a β chain (CD42c, 22KD) linked by a disulfid bond forming a noncovalent complex with CD42a (GPIX) and d. This antigen is expressed on platelets and megakaryocytes. The GPIb/IX complex (CD42a-d) serves as a receptor for von Willebrand Factor (vWF) and thrombin, and mediates adhesion of platelets to subendothelium of damaged vascular walls. The absence of the CD42 complex leads to the Bernard-Soulier Syndrome (BSS). HIP1 McAb inhibits the ristocetin-dependent binding of vWF to platelets, ristocetin-induced platelet agglutination, and partially inhibits collagen-induced aggregation.

PREPARATION

The monoclonal antibody is purified from ascites by protein G affinity chromatography.

USAGE

The purified reagent is effective for indirect immunofluorescence staining of human cells for flow cytometric analysis and is tested for immunohistochemical staining of acetone-fixed frozen sections.

STORAGE

Store at 4°C. Long term storage at -20°C. Avoid freeze and thaw cycles.

REFERENCES

1. Chen Z., Bao ZX., Yu AX., et al., 1987. A group monoclonal antibodies against human platelets with different functions. Chinese Science Bulletin. 24:1902
2. Knapp W., B.Dorcken,E.P.Rieber,et al.,eds. 1989.Leucocyte Typing IV: White Cell Differentiation Antigens. P: 1000—1003, 1085 Oxford University Press, New York.

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