ALPHA DIAGNOSTIC INTERNATIONAL

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Catalog# CD42bP-100 Size 100 tests
Catalog# CD42bP-25 Size 25 tests

Mouse Anti-Human CD42b-PE conjugate

PRODUCT INFORMATION

CLONE: HIP1
ISOTYPE: Mouse IgG1, κ
WS.No.: ☐P40
Product Forms: Purified, FITC conjugation, PE conjugation.
SIZE: 25 Tests

DESCRIPTION

CD42b McAb recognizes a glycoprotein, heterodimer (GPIbα) which contains an α chain (CD42b, 145KD) and a β chain (CD42c, 22KD) linked by a disulfied 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 Symdrome (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 and is conjugated with FITC, R-PE under optimum conditions.

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.
The conjugated reagent (FITC, R-PE) is tested for flow cytometric analysis using 20μl/10^6 cells or 100μl peripheral blood cells.

STORAGE

For purified forms, long term storage at -20☐.
For conjugated forms, storage at 4☐, should not be frozen and avoid prolonged exposure to light.

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.Dorken,E.P.Rieber,et al.,eds. 1989.Leucocyte Typing ☐: White Cell Differentiation Antigens. P☐1000—1003☐1085 Oxford University Press, New York.

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