

Anti- Human CD42b (HIP1)



REF



APC

42BA-100T

100 test

RUO

1. PRODUCT DESCRIPTION

Clone: HIP1

Isotype: IgG2I

Tested application: flow cytometry

Immunogen: The anti-CD42b monoclonal antibody derives from human platelets.

Species reactivity: Human, Cross-Reactivity: Chimpanzee

Storage instruction: store in the dark at 2-8 °C

Storage buffer: aqueous buffered solution containing protein stabilizer and 0.09% sodium azide (NaN₃).

Recommended usage: Immunostep's CD42b, clone HIP1 is a monoclonal antibody intended for the identification and enumeration of platelets, thrombocytes and megakaryocytes using flow cytometry. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using 1 test for 10⁶ cells.

Presentation: liquid

Source: Supernatant proceeding from an in vitro cell culture of a cell hybridoma.

Purification: Affinity chromatography.

2. ANTIGEN DETAILS

Large description: : Reacts with a two chain membrane glycoprotein, GpIb, that forms a non covalent complex with GPIX (CD42a) found on platelets and megakaryocytes. Clone HIP1 antibody inhibits the ristocetin-dependent binding of von Willebrand Factor (vWF) to platelets, ristocetin-induced platelet agglutination and partially inhibits collagen induced aggregation. The GPIb/IX complex serves as the vWF surface receptor involved in the adhesion of platelets to the subendothelium of damaged vascular walls.(1-5)

Other names: Platelet glycoprotein Ib alpha chain, GP-Ib alpha, GPIb-alpha, GPIbA, Glycoprotein Ibalpha, Glycocalicin, gplbα.

Gene ID: 2812

Molecular weight: 145 kDa

Please, refer to www.immunostep.com technical support for more information.

3. WARRANTY

Warranted only to conform to the quantity and contents stated on the label or in the product labelling at the time of delivery to the customer. Immunostep disclaims hereby other warranties.

Immunostep's sole liability is limited to either the replacement of the products or refund of the purchase price.

4. ADDITIONAL INFORMATION

For research use only. Not for diagnostic use.

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5. REFERENCES

1. Escribano L, Orfao A, Villarrubia J, Diaz-Agustin B, Cervero C, Rios A, et al. Immunophenotypic characterization of human bone marrow mast cells. A flow cytometric study of normal and pathological bone marrow samples. *Anal Cell Pathol*1998;16(3):151-9.
2. Ballow A, Gader AM, Huraib S, Al-Husaini K, Mutwalli A, Al-Wakeel J. Platelet surface receptor activation in patients with chronic renal failure on hemodialysis, peritoneal dialysis and those with successful kidney transplantation. *Platelets*2005 Feb;16(1):19-24.
3. Chirinos JA, Heresi GA, Velasquez H, Jy W, Jimenez JJ, Ahn E, et al. Elevation of endothelial microparticles, platelets, and leukocyte activation in patients with venous thromboembolism. *J Am Coll Cardiol*2005 May 3;45(9):1467-71.
4. Falanga A, Marchetti M, Vignoli A, Balducci D, Barbui T. Leukocyte-platelet interaction in patients with essential thrombocythemia and polycythemia vera. *Exp Hematol*2005 May;33(5):523-30.
5. Bergmeier W, Piffath CL, Goerge T, Cifuni SM, Ruggeri ZM, Ware J, et al. The role of platelet adhesion receptor GPIbalpha far exceeds that of its main ligand, von Willebrand factor, in arterial thrombosis. *Proc Natl Acad Sci U S A*2006 Nov 7;103(45):16900-5.

6. EXPLANATION OF SYMBOLS



Form

REF

Catalog reference



Contains sufficient for > test



Quantity per test



Regulatory Status

RUO

Research Use Only

[A]

Concentration



Manufacturer

7. MANUFACTURED BY:



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