

Anti- Human CD42b (HIP1)

					
APC	42BA-100T	100 test	20 µL/test	0,05 mg/ml	

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 magakaryocytes. 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, GP1b 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.

Not for resale. Immunostep will not be responsible of violations that may occur with the use of this product. Any use of this product other than the specified in this document is strictly prohibited.








Unless otherwise indicated by Immunostep by written authorization, this product is intended for research only and is not to be used for any other purpose, including without limitation, for human or animal diagnostic, therapeutic or commercial purposes.

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

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 Pathol1998;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. Platelets2005 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 Cardiol2005 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 Hematol2005 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 A2006 Nov 7;103(45):16900-5.

6. EXPLANATION OF SYMBOLS

	Form
	Catalog reference
	Contains sufficient for > test
	Quantity per test
	Regulatory Status
	Research Use Only
	Concentration

	<u>Manufacturer</u>
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7. MANUFACTURED BY:



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