

# Anti-Human CD61 (VIPL2)



FITC  
PE

61F-100T  
61PE-100T

100 test  
100 test



## 1. PRODUCT DESCRIPTION

- **Clone:** VIPL2;
- **Isotype:** IgG1;
- **Tested application:** flow cytometry;
- **Immunogen:** The anti-CD61 monoclonal antibody derives from a cell suspension containing osteoclasts from osteoclastomas;
- **HLDA:** V, WS Code 5T-124;
- **Species reactivity:** Human, Cross-Reactivity: Baboon, Rhesus, Cynomolgus;
- **Storage instruction:** store in the dark at 2-8 °C;
- **Storage buffer:** aqueous buffered solution containing protein stabilizer and 0.09% sodium azide (NaN<sub>3</sub>);
- **Recommended usage:** Immunostep's CD61, clone VIPL2, is a monoclonal antibody intended for the identification and enumeration of human platelets using flow cytometry. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using 1 test for 10<sup>6</sup> cells;
- **Presentation:** liquid;
- **Source:** Supernatant proceeding from an in vitro cell culture of a cell hybridoma;
- **Purification:** Affinity chromatography;
- **Other names:** Integrin β3, gp11a;
- **Gene ID:** 3690;
- **Molecular weight:** 110 kDa.

## 2. ANTIGEN DETAILS

**Large description:** This antibody reacts with the CD61-antigen (GPIIb), which is expressed on human platelets. The monoclonal antibody reacts with platelets, megakaryocytes, megakaryoblasts, endothelial cells, fibroblasts, smooth muscle cells and osteoblasts (integrin beta-3 chain) in complexed form and does not react with the platelets of patients with Glanzmann Thrombasthenia<sup>(1-6)</sup>.

## 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](http://www.immunostep.com) technical support for more information.

## 5. REFERENCES

1. Dzionek A, Fuchs A, Schmidt P, Cremer S, Zysk M, Miltenyi S, et al. BDCA-2, BDCA-3, and BDCA-4: three markers for distinct subsets of dendritic cells in human peripheral blood. *J Immunol* 2000 Dec 01;165(11):6037-46.
2. Ciarlet M, Crawford SE, Cheng E, Blutt SE, Rice DA, Bergelson JM, et al. VLA-2 (alpha2beta1) integrin promotes rotavirus entry into cells but is not necessary for rotavirus attachment. *J Virol* 2002 Feb;76(3):1109-23.
3. Roberts MS, Woods AJ, Dale TC, Van Der Sluijs P, Norman JC. Protein kinase B/Akt acts via glycogen synthase kinase 3 to regulate recycling of alpha v beta 3 and alpha 5 beta 1 integrins. *Mol Cell Biol* 2004 Feb;24(4):1505-15.
4. Mondal D, Williams CA, Ali M, Eilers M, Agrawal KC. The HIV-1 Tat protein selectively enhances CXCR4 and inhibits CCR5 expression in megakaryocytic K562 cells. *Exp Biol Med (Maywood)* 2005 Oct;230(9):631-44.
5. Williams CA, Mondal D, Agrawal KC. The HIV-1 Tat protein enhances megakaryocytic commitment of K562 cells by facilitating CREB transcription factor coactivation by CBP. *Exp Biol Med (Maywood)* 2005 Dec;230(11):872-84.
6. Barrett L, Dai C, Gamberg J, Gallant M, Grant M. Circulating CD14-CD36+ peripheral blood mononuclear cells constitutively produce interleukin-10. *J Leukoc Biol* 2007 Jul;82(1):152-60.

## 6. EXPLANATION OF SYMBOLS



Fluorochrome



Product reference



Content for <n> analysis



Regulatory Status



Research Use Only



Manufacturer

## 7. MANUFACTURED BY:

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