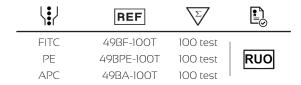
Anti-Human CD49b (TEA1/41)





1. PRODUCT DESCRIPTION

- Clone: TEA1/41:
- Isotype: IaG1
- Tested application: flow cytometry;
- Immunogen: The anti-CD49b monoclonal antibody derives from TNF activated HUVEC cells:
- Species reactivity: Human;
- Storage instruction: store in the dark at 2-8 °C;
- Storage buffer: aqueous buffered solution containing protein stabilizer and 0.09% sodium azide (NaN,);
- Recommended usage: Immunostep's CD49b, clone TEAI/41 is a monoclonal antibody intended for the identification and enumeration of Integrin alpha-2 protein using flow cytometry. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using I test for IO⁶ cells;
- Presentation: liquid;
- Source: Supernatant proceeding from an in vitro cell culture of a cell hybridoma;
- Purification: Affinity chromatography:
- Other names: Integrin alpha-2, CD49 antigen-like family member B, Collagen receptor, Platelet membrane glycoprotein la, GPla, VLA-2 subunit alpha, BR, VLAA2;
- Gene ID: 3673;
- Molecular weight: 170 kDa.

2. ANTIGEN DETAILS

Large description: The monoclonal antibody is directed against the CD49b-antigen (GPIa or VLA-2 alpha-chain), which can form distinct complexes with either the CD29-antigen (GPIa or VLA beta-chain), resulting in the VLA-2 (alpha-2 beta-1) complex, which is expressed on human platelets. The monoclonal antibody reacts with platelets, long-term cultivated T lymphocytes and activated T lymphocytes. In immunohistology the monoclonal antibody reacts with thymocytes, epithelial cells of a variety of tissues, per ipheral nerves, fibroblasts, osteoclasts, glomerular mesangium and most non-haemopoietic adherent cell lines. [1-3]

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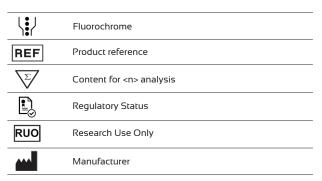
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Please, refer to www.immunostep.com technical support for more information.

REFERENCES

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- Yoshino N, Ami Y, Terao K, Tashiro F, Honda M. Upgrading of flow cytometric analysis for absolute counts, cytokines and other antigenic molecules of cynomolgus monkeys (Macaca fascicularis) by using anti-human cross-reactive antibodies. Exp Anim2000 Apr;49(2):97-IIO.
- Ciarlet M, Crawford SE, Cheng E, Blutt SE, Rice DA, Bergelson JM, et al. VLA-2 (alpha2betal) integrin promotes rotavirus entry into cells but is not necessary for rotavirus attachment. J Virol2002 Feb:76(3):1109-23.

6. EXPLANATION OF SYMBOLS



MANUFACTURED BY:

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