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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti- Human CD49b (TEA1/41)

Fluorochrome	Reference	Size
Pure	49BPU-OIMG	100 test
FITC	49BF-100T	100 test
PE	49BPE-100T	100 test
APC	49BA-100T	100 test
CF Blue	49BCFB-100T	100 test

PRODUCT DESCRIPTION

Clone: TEA1/41

Isotype: IgG1

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 (NaN₃).

Recommended usage: Immunostep's CD49b, clone TEA1/41 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 $\leq 1 \mu\text{g}/10^6$ cells.

Presentation: liquid

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

Purification: Affinity chromatography.

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 (GPIIa 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, peripheral nerves, fibroblasts, osteoclasts, glomerular mesangium and most non-haemopoietic adherent cell lines.⁽¹⁻³⁾

Other Names: Integrin alpha-2, CD49 antigen-like family member B, Collagen receptor, Platelet membrane glycoprotein Ia, GPIa, VLA-2 subunit alpha, BR, VLAA2.

Gene ID: 3673

Molecular weight: 170 kDa

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

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.

REFERENCES

1. Mazurov AV, Vinogradov DV, Kabaeva NV, Antonova GN, Romanov YA, Vlasik TN, et al. A monoclonal antibody, VM64, reacts with a 130 kDa glycoprotein common to platelets and endothelial cells: heterogeneity in antibody binding to human aortic endothelial cells. *Thromb Haemostasis* 1991 Oct 1;66(4):494-9.
2. 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 Anim* 2000 Apr;49(2):97-110.
3. 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.

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