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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti- Human CD49c (VJ1/6)

Fluorochrome	Reference	Size
Pure	49CPU-OIMG	100 test
FITC	49CF-100T	100 test
PE	49CPE-100T	100 test
PerCP	49CPP-100T	100 test
APC	49CA-100T	100 test
CF Blue	49CCFB-100T	100 test

PRODUCT DESCRIPTION

Clone: VJ1/6

Isotype: IgG1

Tested application: flow cytometry

Immunogen: The anti-CD49c 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 CD49c, clone TEA1/41 is a monoclonal antibody intended for the identification and enumeration of Integrin alpha-3 protein using flow cytometry. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using ≤1 µg/10⁶ 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 CD49c-antigen (VLA-3 alpha-chain or Integrin alpha-3/beta-1) a receptor for fibronectin, laminin, collagen, epiligrin, thrombospondin and CSPG4. Integrin alpha-3/beta-1 provides a docking site for FAP (seprase) at invadopodia plasma membranes in a collagen-dependent manner and hence may participate in the adhesion, formation of invadopodia and matrix degradation processes, promoting cell invasion. Alpha-3/beta-1 may mediate with LGALS3 the stimulation by CSPG4 of endothelial cells migration. Monoclonal antibody VJ1/6 reacts with α 3 integrin, a transmembrane glycoprotein which non-covalently associates with integrin β 1 (CD29) to form the α3β1 (CD49c/CD29,VLA-3) complex which is proteolytically cleaved into two disulfide linked fragments of 125 kD and 30 kD. CD49c is expressed mostly on endothelial and epithelial cells (basal epidermal layers). It is not expressed on platelets and is expressed weakly on peripheral blood leukocytes. The CD49c/CD29 complex serves as an adhesive receptor for kalinin or epiligrin. This interaction may be important for thymocyte interaction with thymic epithelium. This antibody is suitable for immunohistochemical staining on acetone-fixed frozen tissue sections.⁽¹⁻⁴⁾

Other Names: Integrin alpha-3, CD49 antigen-like family member C, FRP-2, Galactoprotein B3, GAPB3, VLA-3 subunit alpha, MSK18, VCA-2; VL3A; VLA3a
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

- Wayner EA, Carter WG. Identification of multiple cell adhesion receptors for collagen and fibronectin in human fibrosarcoma cells possessing unique alpha and common beta subunits. *J Cell Biol*1987 Oct;105(4):1873-84.
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