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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti- Human CD81 (M38)

Fluorochrome	Reference	Size
PURE	81PU-OIMG	100 test
FITC	81F-100T	100 test
FITC	81FExo-25	25 test
PE	81PE-100T	100 test
PE	81PEExo-25	25 test
APC	81A-100T	100 test
APC-C750	81AC750-100T	100 test
BIOTIN	81BExo-25	25 test
CF-Blue	81CFExo-25	25 test

PRODUCT DESCRIPTION

Clone: M38

Isotype: IgG1

Tested application: flow cytometry

Immunogen: The anti-CD81 monoclonal antibody derives from MOLT-4 (human T-ALL cell line).

Species reactivity: Human, Feline (cat), Rabbit

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 CD81, clone M38, is a monoclonal antibody intended for:

- Immunophenotyping: identification and enumeration of TAPA-1. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using 1 test for 10⁶ cells.
- Exosomes detection: References 81FExo-25, 81PEExo-25, 81CFExo-25 and 81BExo-25 are effective for detection of exosomes in combination with ExoStep Kit and capture beads.

Presentation: liquid

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

Purification: Affinity chromatography.

ANTIGEN DETAILS

Large description: This antibody reacts with the CD81-antigen, which is a widely expressed cell-surface protein involved in an astonishing variety of biologic responses. It has been cloned independently several times for different functional effects and is reported to influence adhesion, morphology, activation, proliferation, and differentiation of B, T, and other cells. On B cells CD81 is part of a complex with CD21, CD19, and Leu13. This complex reduces the threshold for B cell activation via the B cell receptor by bridging Ag specific recognition and CD21-mediated complement recognition. Similarly on T cells CD81 associates with CD4 and CD8 and provides a costimulatory signal with CD3.

CD81 is also physically and functionally associated with several integrins. Anti-CD81 can activate integrin alpha 4 beta 1 (VLA-4) on B cells, facilitating their adhesion to tonsillar interfollicular stroma.⁽¹⁻³⁾

Other Names: TAPA-1, target of an antiproliferative antibody.

Gene ID: 975

Molecular weight: 24 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. Stehlikova O, Chovancova J, Tichy B, Krejci M, Brychtova Y, Panovska A, et al. Detecting minimal residual disease in patients with chronic lymphocytic leukemia using 8-color flow cytometry protocol in routine hematological practice. *Int J Lab Hematol* Apr;36(2):165-71.
2. Fukudome K, Furuse M, Imai T, Nishimura M, Takagi S, Hinuma Y, et al. Identification of membrane antigen C33 recognized by monoclonal antibodies inhibitory to human T-cell leukemia virus type I (HTLV-I)-induced syncytium formation: altered glycosylation of C33 antigen in HTLV-I-positive T cells. *J Virol*1992 Mar;66(3):1394-401.
3. Levy S, Todd SC, Maecker HT. CD81 (TAPA-1): a molecule involved in signal transduction and cell adhesion in the immune system. *Annu Rev Immunol*1998;16:89-109.

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