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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti- Human CD21 (HI21a)

Fluorochrome	Reference	Size
Pure	21PU-OIMG	100 test
FITC	21F-100T	100 test
PE	21PE-100T	100 test
APC	21A-100T	100 test
CF-Blue	21CFB-100T	100 test

PRODUCT DESCRIPTION

Clone: HI21a

Isotype: IgG2a

Tested application: flow cytometry

Immunogen: The anti-CD21 monoclonal antibody derives from tonsil 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 CD21, clone HI21a is a monoclonal antibody intended for the identification and enumeration of mature B cells, follicular dendritic cells and some epithelial cells 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: CD21 reacts with the C3d complement fragment and with Epstein Barr virus (EBV) receptors, found on mature B cells, follicular dendritic cells, and some epithelial cells. It is also weakly expressed on a subset of mature T cells and thymocytes.

This clone also cross-reacts with a major subset of, but not all, peripheral blood CD20 + lymphocytes of baboon, and both rhesus and cynomolgus macaque monkeys. A subset of CD3 + cells is also CD21 +. The monoclonal antibody is directed against the CD21-antigen, which is expressed on normal Ig-positive B-cells from peripheral blood and lymphoid tissues and on dendritic cells of germinal centres. Its expression is lost on activated B-cells. The distinct distribution among B-cell malignancies differs from other B-cell markers e.g. CD19 and CD20.⁽¹⁻⁴⁾

Other Names: Complement receptor type 2 (Cr2), Complement C3d receptor, Epstein-Barr virus receptor (EBV receptor), C3DR.

Gene ID: 1380

Molecular weight: 145 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

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2. Escribano L, Orfao A, Villarrubia J, Diaz-Agustin B, Cervero C, Rios A, et al. Immunophenotypic characterization of human bone marrow mast cells. A flow cytometric study of normal and pathological bone marrow samples. *Anal Cell Pathol* 1998;16(3):151-9.
3. Reimann KA, Waite BC, Lee-Parritz DE, Lin W, Uchanska-Ziegler B, O'Connell MJ, et al. Use of human leukocyte-specific monoclonal antibodies for clinically immunophenotyping lymphocytes of rhesus monkeys. *Cytometry* 1994 Sep 1;17(1):102-8.
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