






Anti-Human CD19 (A3-B1)








					
PURE	19PUJ	1 mg	1 mg/ml		
PURE	19PUJ-OIMG	100 test	1 µg/test		
FITC	19FI-100T	100 test	20 µL/test		
PE	19PEI-100T	100 test	20 µL/test		
PerCP-Cyanine5.5	19PPC5.5I-100T	100 test	5 µL/test		
APC	19AI-100T	100 test	20 µL/test		
APC-C750	19AC750-100T	100 test	5 µL/test		

RUO

5. REFERENCES

1. Pezzutto A, Dorken B, Rabinovitch PS, Ledbetter JA, Moldenhauer G, Clark EA. CD19 monoclonal antibody HD37 inhibits anti-immunoglobulin-induced B cell activation and proliferation. *J Immunol*1987 May 1;138(9):2793-9.
2. Sato S, Ono N, Steeber DA, Pisetsky DS, Tedder TF. CD19 regulates B lymphocyte signaling thresholds critical for the development of B-1 lineage cells and autoimmunity. *J Immunol*1996 Nov 15;157(10):4371-8.
3. Carter RH, Doody GM, Bolen JB, Fearon DT. Membrane IgM-induced tyrosine phosphorylation of CD19 requires a CD19 domain that mediates association with components of the B cell antigen receptor complex. *J Immunol*1997 Apr 1;158(7):3062-9.
4. Braylan RC, Orfao A, Borowitz MJ, Davis BH. Optimal number of reagents required to evaluate hematolymphoid neoplasias: results of an international consensus meeting. *Cytometry*2001 Feb 15;46(1):23-7.

6. EXPLANATION OF SYMBOLS

	Form
	Catalog reference
	Contains sufficient for <n> test
	Quantity per test
	Regulatory Status
	Research Use Only
	Manufacturer

7. MANUFACTURED BY:



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1. PRODUCT DESCRIPTION

Clone: A3-B1;
Isotype: IgG2a;
Tested application: flow cytometry;
Immunogen: The anti-CD19 monoclonal antibody derives from human tonsil;
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 CD19, clone A3-B1 is a monoclonal antibody intended for the identification and enumeration of human B cells using flow cytometry. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using 1 test for 10⁶ cells;
Presentation: liquid;
Source: Supernatant proceeding from an in vitro cell culture of a cell hybridoma;
Purification: Affinity chromatography;
Other names: B-lymphocyte antigen CD19, B-lymphocyte surface antigen B4, Differentiation antigen CD19, T-cell surface antigen Leu-12, B4;
Gene ID: 930;
Molecular weight: Ig superfamily, type I transmembrane glycoprotein, 95 kDa.

2. ANTIGEN DETAILS

Large description: The monoclonal antibody is directed against the CD19- antigen (B4-antigen), which is expressed on human B lymphocytes. The monoclonal antibody is B lineage-specific and reacts with early B-cell precursors, pre-pre-B-cells, pre-B- cells, B-cells, intermediate B-cells, mature B-cells and some plasmacytoid cells, also reacts with pre-B-cell- lines, B lymphoblastoid cell-lines and Burkitt cell- lines, and with 50% of myeloma cell-lines. Plasma cells were found to be negative.⁽¹⁻⁴⁾

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