

## Anti- Human CD19 (B3/11)

Fluorochrome	Reference	Size
PE-Cyanine7	I9PC73-100T	100 test

### PRODUCT DESCRIPTION

**Clone:** B3/11

**Isotype:** IgG1

**Tested application:** flow cytometry

**Immunogen:** The anti-CD19 monoclonal antibody derives from human tonsil.

**Species reactivity:** Human, Cross-Reactivity: Chimpanzee

**Storage instruction:** store in the dark at 2-8 °C

**Storage buffer:** aqueous buffered solution containing protein stabilizer and 0.09% sodium azide (NaN<sub>3</sub>).

**Recommended usage:** Immunostep's CD19, clone B3/11 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 10<sup>6</sup> 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 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.<sup>(1-3)</sup>

**Other Names:** B4, MGC12802

**Gene ID:** 930

**Molecular weight:** Ig superfamily, type I transmembrane glycoprotein, 95 kDa

Please, refer to [www.immunostep.com](http://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. Bradbury LE, Kansas GS, Levy S, Evans RL, Tedder TF. The CD19/CD21 signal transducing complex of human B lymphocytes includes the target of antiproliferative antibody-1 and Leu-13 molecules. *J Immunol*1992 Nov 1;149(9):2841-50.
2. 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.
3. Pesando JM, Bouchard LS, McMaster BE. CD19 is functionally and physically associated with surface immunoglobulin. *J Exp Med*1989 Dec 1;170(6):2159-64.

### MANUFACTURED BY



#### Immunostep S.L

Avda. Universidad de Coimbra, s/n  
Cancer Research Center (CIC)  
Campus Miguel de Unamuno  
37007 Salamanca (Spain)  
Tel. (+34) 923 294 827  
[www.immunostep.com](http://www.immunostep.com)