

Anti-Human CD3 (33-2A3)



FITC	3FI-100T	100 test
PE	3PEI-100T	100 test
APC	3AI-100T	100 test
CF-Blue	3CFBI-100T	100 test
APC-C750	3AC750-100T	100 test
PerCP-Cyanine5.5	3PPC5.5-100T	100 test
PerCP	3PPI-100T	100 test

RUO

1. PRODUCT DESCRIPTION

- **Clone:** 33-2A3;
- **Isotype:** IgG2a;
- **Tested application:** flow cytometry;
- **Immunogen:** The anti-CD3 monoclonal antibody derives from human leukocytes;
- **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 CD3, clone 33-2A3, is a monoclonal antibody intended for the identification and enumeration of human T cells subsets 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:** Leu-4, T3;
- **Gene ID:** 915;
- **Molecular weight:** 22/26/30 kDa.

2. ANTIGEN DETAILS

Large description: The monoclonal antibody is directed against the CD3- antigen (T3-antigen), which is expressed on human T lymphocytes. The monoclonal antibody reacts with 80-90% human peripheral T lymphocytes and medullary thymocytes. The monoclonal antibody does not react with B-cells, monocytes, granulocytes and platelets. The monoclonal antibody is mitogenic for resting T lymphocytes and it blocks the cytolytic activity of CTL clones.⁽¹⁻⁵⁾

3. 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.

4. ADDITIONAL INFORMATION

For research use only. Not for diagnostic use.

Not for resale. Immunostep will not be responsible of violations that may occur with the use of this product. Any use of this product other than the specified in this document is strictly prohibited.







Unless otherwise indicated by Immunostep by written authorization, this product is intended for research only and is not to be used for any other purpose, including without limitation, for human or animal diagnostic, therapeutic or commercial purposes.

Please, refer to www.immunostep.com technical support for more information.

5. REFERENCES

1. Bohnhorst JO, Bjorgan MB, Thoen JE, Natvig JB, Thompson KM. Bm1-Bm5 classification of peripheral blood B cells reveals circulating germinal center founder cells in healthy individuals and disturbance in the B cell subpopulations in patients with primary Sjogren's syndrome. *J Immunol*2001 Oct 1;167(7):3610-8.
2. Buxade M, Ramirez-Alvarado M, Fernandez-Troy N, MacKenzie S, Casaroli-Marano RP, Vilella R, et al. Integrating signals from T-cell receptor and serum by T cells enhance translation of tumour necrosis factor-alpha. *Immunology*2001 Apr;102(4):416-25.
3. Gimferrer I, Calvo M, Mittelbrunn M, Farnos M, Sarrías MR, Enrich C, et al. Relevance of CD6-mediated interactions in T cell activation and proliferation. *J Immunol*2004 Aug 15;173(4):2262-70.
4. Gimferrer I, Farnos M, Calvo M, Mittelbrunn M, Enrich C, Sanchez-Madrid F, et al. The accessory molecules CD5 and CD6 associate on the membrane of lymphoid T cells. *J Biol Chem*2003 Mar 7;278(10):8564-71.
5. Kleijn M, Proud CG. The regulation of protein synthesis and translation factors by CD3 and CD28 in human primary T lymphocytes. *BMC Biochem*2002 May 17;3:11.

6. EXPLANATION OF SYMBOLS

	Fluorochrome
	Product reference
	Content for <n> analysis
	Regulatory Status
	Research Use Only
	Manufacturer

7. MANUFACTURED BY:

IMMUNOSTEP S.L.

Address: Avda. Universidad de Coimbra, s/n
Cancer Research Center (C.I.C)
Campus de Unamuno
37007 Salamanca (Spain)
(+34) 923 294 827
Tel./fax:
E-mail: info@immunostep.com
www.immunostep.com