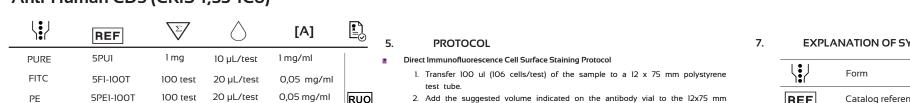
Anti-Human CD5 (CRIS-1;33-1C6)



1. PRODUCT DESCRIPTION

Clone: CRIS-1 (33-1C6);

Isotype: IgG2a;

PerCP-Cvanine5.5 5PPC5.51-100T

APC

Tested application: flow cytometry;

5A1-100T

Immunogen: The anti-CD5 monoclonal antibody derives from stimulated

100 test

100 test

5 uL/test

20 µL/test

Species reactivity: Human;

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

Storage buffer: aqueous buffered solution containing protein stabilizer and 0.09%

Recommended usage: Immunostep's CD5, clone 33-IC6, is a monoclonal antibody intended for the identification of T lymphocytes CD5+ using flow cytometry. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using I test for 106 cells:

0,2 mg/ml

0,05 mg/ml

Presentation: liquid;

- Source: Supernatant proceeding from an in vitro cell culture of a cell hybridoma;
- Purification: Affinity chromatography;
- Other names: Tl. Lvl. Tp67, Leu-I, Lymphocyte antigen Tl/Leu-I;

Molecular weight: Scavenger receptor superfamily, 67 kDa.

2. ANTIGEN DETAILS

Large description: The monoclonal antibody is directed against the CD5-antigen (Tl-antigen) a 67kDa transmembrane protein, which is identified as CD5 (HLDA I; WS Code T 29HLDA III; WS Code T 530), which is expressed on human T lymphocytes(1).

The monoclonal antibody reacts with 90% of human peripheral T lymphocytes, medullary thymocytes as well as with lymphocytes of patients with chronic B-cell derived leukaemia. It is also expressed on a small subpopulation of normal B cells as a range of neoplastic B cells. The antibody does not react with, monocytes, granulocytes and platelets.(2)

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.

ADDITIONAL INFORMATION

For research use only. Not for diagnostic use.

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

- cytometer tube.
- 3. Mix well and incubate in the dark at room temperature at 4 °C for 30 minutes or at room temperature (20-25 °C) for 15 minutes.
- 4. After the incubation period, add 1,5 ml of an erythrocyte-lysing solution and mix. Incubate at room temperature in the darkness (the blood should be well mixed with the lysing solution).
- 5. Centrifuge tubes at 540xq for 5 minutes. The supernatant is removed with a Pasteur pipette or with a vacuum pump.
- 6. Resuspend and wash with 3-5 mL of PBS at 540xg for 5 min.
- 7. After removing the supernatant and resuspending the cell pellet, add 300 μL of PBS and adquire on the flow cytometer are recorded.
- 8. Analyse on a flow cytometer or store at 2- 8 °C in the dark until analysis. Samples can be run up to 24 hours after lysis.

• Indirect Immunofluorescence Cell Surface Staining Protocol

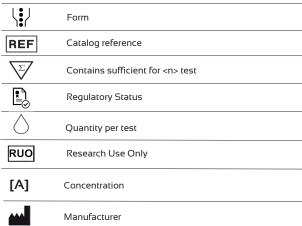
- 1. Transfer 100 ul (106 cells/test) of the sample to a 12 x 75 mm polystyrene test
- 2. Add purified reagent according to manufacturer's recommendation and mix gently with a vortex mixer.
- 3. Incubate in the dark at room temperature at 4 °C for 30 minutes or at room temperature (20-25 °C) for 15 minutes.
- 4. Add 2 mL 0.01 mol/L PBS (It betters that it containing 2% bovine serum albumin) and resuspend the cells by using a vortex mixer. Centrifuge at 540xg for 5 min in order to remove the McAb not bound to its antigen.
- 5. Add a secondary conjugated reagent with some fluorochrome and mix. Incubate at room temperature for 15 min in the dark. The absence of light is necessary as the fluorochrome is photoinstability.
- 6. After the incubation period, add 1,5 ml of an erythrocyte-lysing solution and mix. Incubate at room temperature in the darkness (the blood should be well mixed with the lysing solution). Centrifuge at 540xg for 5 minutes. The supernatant is removed with a Pasteur pipette or with a vacuum pump.
- 7. Resuspend and a made a final wash with 3-5 mL of PBS at 540xq for 5 min.
- 8. After removing the supernatant and resuspending the cell pellet, add 300 µL of PBS and adquire on the flow cytometer are recorded.
- 9. Analyse on a flow cytometer or store at 2-8 °C in the dark until analysis. Samples can be run up to 24 hours after lysis.

REFERENCES

6.

- Calvo J. Padilla O. Places L. Vigorito E. Vilà JM, Vilella R. Milà J. Vives J. Bowen MA, Lozano F. Relevance of individual CD5 extracellular domains on antibody recognition, glycosylation and co-mitogenic signalling. Tissue Antigens, 1999 Jul;54(1):16-26.
- Braylan RC. Orfao A. Borowitz MJ. Davis BH. Optimal number of reagents required to valuate hematolymphoid neoplasias; results of an international consensus meeting. Cytometry 2001;46:23-7.

EXPLANATION OF SYMBOLS



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