







# Anti-Human CD2 (TP1/31)

				
PURE	2PU	1 mg	1 mg/ml	
FITC	2F-100T	100 test	20 µL/test	
PE	2PE-100T	100 test	20 µL/test	
APC	2A-100T	100 test	20 µL/test	

## 1. PRODUCT DESCRIPTION

**Clone:** TP1/31;  
**Isotype:** IgG1;  
**Tested application:** flow cytometry;  
**Immunogen:** The anti-CD2 monoclonal antibody derives from PMA and Ionomyacin activated T cells blast (human);  
**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 (NaN<sub>3</sub>);  
**Recommended usage:** Immunostep's CD2, clone TP1/31<sup>(1, 2)</sup>, is a monoclonal antibody intended for the identification and enumeration of human peripheral T lymphocytes and 90% of the thymocytes 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;  
**Other names:** T11, LFA-2, CD2R, E-rosette receptor, Erythrocyte receptor, LFA-3 receptor, Rosette receptor, T-cell surface antigen T11/Leu-7;  
**Gene ID:** 914;  
**Molecular weight:** 50 kDa.

## 2. ANTIGEN DETAILS

**Large description:** The TP1/31 monoclonal antibody is directed against the CD2-antigen, which is expressed on human T lymphocytes. The monoclonal antibody reacts with all human peripheral T lymphocytes and 90% of the thymocytes<sup>(3-5)</sup>. The monoclonal antibody blocks the rosette-formation of human T lymphocytes with sheep erythrocytes.

## 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](http://www.immunostep.com) technical support for more information.

## 5. REFERENCES

- McMichael AJ. Leucocyte typing III : white cell differentiation antigens. Oxford: Oxford University Press; 1987.
- Mason D. Leucocyte typing VII : white cell differentiation antigens : proceedings of the Seventh International Workshop and Conference held in Harrogate, United Kindom. Oxford: Oxford University Press; 2002.
- Orfao A, Ciudad J, Gonzalez M, Lopez A, del Mar Abad M, Paz Bouza JI, et al. Flow cytometry in the diagnosis of cancer. Scand J Clin Lab Invest Suppl1995;221:145-52.
- Kaleem Z, White G, Zutter MM. Aberrant expression of T-cell-associated antigens on B-cell non-Hodgkin lymphomas. Am J Clin Pathol2001 Mar;115(3):396-403.
- Thalhammer-Scherrer R, Mitterbauer G, Simonitsch I, Jaeger U, Lechner K, Schneider B, et al. The immunophenotype of 325 adult acute leukemias: relationship to morphologic and molecular classification and proposal for a minimal screening program highly predictive for lineage discrimination. Am J Clin Pathol2002 Mar;117(3):380-9.

## 6. EXPLANATION OF SYMBOLS

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

## 7. MANUFACTURED BY: IMMUNOSTEP S.L.



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