




# Anti-Human CD31 (TPI/15)

	REF	$\Sigma$		
PURE	3IPU	1 mg	1 mg/ml	
PURE	3IPU-OIMG	100 µg	1 µg/test	
FITC	3IF-100T	100 test	20 µL/test	
PE	3IPE-100T	100 test	20 µL/test	
APC	3IA-100T	100 test	20 µL/test	

## 1. PRODUCT DESCRIPTION

**Clone:** TPI/15;  
**Isotype:** IgG2b;  
**Tested application:** flow cytometry;  
**Immunogen:** The anti-CD31 monoclonal antibody derives from PMA and Ionomycin 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 CD31, clone TPI/15, is a monoclonal antibody intended for the identification and enumeration of PECAM-1 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:** PECAM-1, EndoCAM;  
**Gene ID:** 5175;  
**Molecular weight:** 130 - 140 rDa.

## 2. ANTIGEN DETAILS

**Large description:** The monoclonal antibody is directed against the CD31-antigen, which is expressed on human thrombocytes. The monoclonal antibody reacts with thrombocytes, monocytes/macrophages and granulocytes. In immunohistology the monoclonal antibody reacts with endothelial cells histiocytes (weak) and glomeruli. The antigen is localized at regions of cell-cell contacts and may function as an adhesion molecule, mediating adhesion between leucocytes and endothelial cells, leucocytes and platelets, and endothelial cells with other endothelial cells.<sup>(1-3)</sup>

## 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

1. Cabanas C, Sanchez-Madrid F, Bellon T, Figdor CG, Te Velde AA, Fernandez JM, et al. Characterization of a novel myeloid antigen regulated during differentiation of monocytic cells. *Eur J Immunol*1989 Aug;19(8):1373-8.
2. Fonsatti E, Jekunen AP, Kairemo KJ, Coral S, Snellman M, Nicotra MR, et al. Endoglin is a suitable target for efficient imaging of solid tumors: in vivo evidence in a canine mammary carcinoma model. *Clin Cancer Res*2000 May;6(5):2037-43.
3. Yoshino N, Ami Y, Terao K, Tashiro F, Honda M. Upgrading of flow cytometric analysis for absolute counts, cytokines and other antigenic molecules of cynomolgus monkeys (*Macaca fascicularis*) by using anti-human cross-reactive antibodies. *Exp Anim*2000 Apr;49(2):97-110.

## 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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