

Anti-Human CD63 (TEA3/18)

	REF	Σ		[A]	
PURE	63PU	1 mg	1 mg/ml		
PURE	63PU-OIMG	100 µg	1 µg/test	0,01 mg/ml	RUO
FITC	63F-100T	100 test	20 µL/test	2 mg/ml	
PE	63PE-100T	100 test	20 µL/test	2 mg/ml	
APC	63A-100T	100 test	5 µL/test	0,05 mg/ml	
Biotin	63B-OIMG	100 µg	1 µg/test	0,01 mg/ml	

1. PRODUCT DESCRIPTION

Clone: TEA3/18;

Isotype: IgG1;

Tested application: flow cytometry, western blot;

Immunogen: The anti-CD63 monoclonal antibody derives from Tissue / cell preparation (Human cytochrome B enriched cells);

Species reactivity: Human;

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

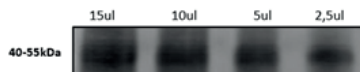
Storage buffer: aqueous buffered solution containing protein stabilizer and 0.09% sodium azide (NaN₃);

Recommended usage: Immunostep's CD63, clone TEA3/18, is a monoclonal antibody intended for:

Flow cytometry immunophenotyping: identification and enumeration of human activated platelets. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using 1 test for 10⁶ cells;

Exosomes detection: the products conjugated in PE, FITC, and biotin can be used in combination with #ExoStep Kit and #capture beads. For this application it could be necessary to assay with different quantities;

Western blot: specific exosomes markers are identified with this technique. 1:5000 is the recommended dilution for pure antibodies and 1:500 for biotin antibodies⁽⁴⁻⁵⁾.



Presentation: liquid;

Source: Supernatant proceeding from an in vitro cell culture of a cell hybridoma;

Purification: Affinity chromatography;

Other names: LIMP, MLAI, PTLGP40, gp55, granulophysin, LAMP-3, ME491, NGA, Lysosomal-associated membrane protein 3, Melanoma-associated antigen ME491, OMA8IH, Ocular melanoma-associated antigen, Tetraspanin-30, Tspan-31;

Gene ID: 967;

Molecular weight: 53 kDa.

2. ANTIGEN DETAILS

Large description: This antibody reacts with the CD63- antigen, which is expressed in platelet lysosomes that is translocated to the platelet surface upon activation with strong agonists. The antigen is also present in most peripheral blood cells (not in erythrocytes) and in many tissues; both surface and cytoplasmic locations are reported. It has been reported a cellular expression of CD63 in intracellular lysosomal, endosomal and granulate protein, in Weibel Palade bodies of vascular endothelium, in degranulated neutrophils, monocytes, macrophages and endothelium.

It has been showed an Immunohistochemistry staining of fibroblasts, osteoclasts, smooth muscle, neural tissue (brain white matter and peripheral nerves) and synovial lining cells.⁽¹⁻³⁾

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

- Azorsa DO, Hyman JA, Hildreth JE. CD63/Pltgp40: a platelet activation antigen identical to the stage-specific, melanoma-associated antigen ME491. *Blood* 1991 Jul 15;78(2):280-4.
- Schlossman SF. Leucocyte typing V: white cell differentiation antigens : proceedings of the Fifth International Workshop and Conference : held in Boston, USA, 3-7 November, 1993. Oxford: Oxford University Press; 1995.
- Escribano L, Diaz-Agustin B, Nunez R, Prados A, Rodriguez R, Orfao A. Abnormal expression of CD antigens in mastocytosis. *Int Arch Allergy Immunol* 2002 Feb;127(2):127-32.
- Yáñez-Mó M, Siljander P, Andreu Z, Bedina Zavec A, Borràs F, Buzas E et al. Biological properties of extracellular vesicles and their physiological functions. *Journal of Extracellular Vesicles*. 2015;4 (1):27066.
- Théry C, Amigorena S, Raposo G, Clayton A. Isolation and Characterization of Exosomes from Cell Culture Supernatants and Biological Fluids. *Current Protocols in Cell Biology*. 2006.

6. EXPLANATION OF SYMBOLS

	Form
REF	Catalog reference
Σ	Contains sufficient for > test
	Quantity per test
	Regulatory Status
RUO	Research Use Only
[A]	Concentration
	Manufacturer

7. MANUFACTURED BY:

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