Anti-Human CD14 (47-3D6)

	REF	Σ	
FITC	14F-100T	100 test	RUO
PE	14PE-100T	100 test	
APC	14A-100T	100 test	
APC-750	14AC750-100T	100 test	

1. PRODUCT DESCRIPTION

- **Clone:** 47-3D6;
- **Isotype**: IgG2a;
- **Tested application**: flow cytometry;
- **Immunogen**: The anti-CD14 monoclonal antibody derives from native purified CD14 cells from human lung Angiotensin converting enzyme;
- **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_3);
- **Recommended usage**: Immunostep's CD14, clone 47-3D6 is a monoclonal antibody intended for the identification and enumeration of human monocytes using flow cytometry. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using 1 test for 10^6 cells;
- **Presentation**: liquid;
- **Source**: Supernatant proceeding from an in vitro cell culture of a cell hybridoma;
- **Purification**: Affinity chromatography;
- **Other names**: Monocyte differentiation antigen CD14, Myeloid cell-specific leucine-rich glycoprotein;
- **Gene ID:** 929;
- **Molecular weight:** 55 kDa.

2. ANTIGEN DETAILS

Large description: The monoclonal antibody is directed against the CD14 antigen, which is expressed on human monocytes and macrophages. The antibody reacts with human monocytes and macrophages; weak reactions may occur with neutrophils.[1-7]

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. Almeida J, Bueno C, Alguero MC, Sanchez ML, de Santiago M, Escribano L, et al. Comparative analysis of the morphological, cytochemical, immunophenotypical, and functional characteristics of normal human peripheral blood lineage(-)/CD16(+)/HLA-DR(+)/CD14(-/lo) cells, CD14(+) monocytes, and CD16(-) dendritic cells. Clin Immunol2001 Sep;100(3):325-38.
2. Chomarat P, Dantin C, Bennett L, Banchereau J, Palucka AK. TNF skews monocyte differentiation from macrophages to dendritic cells. J Immunol2003 Sep 1;171(5):2262-9.
3. Haziot A, Tsuberi BZ, Goyert SM. Neutrophil CD14: biochemical properties and role in the secretion of tumor necrosis factor-alpha in response to lipopolysaccharide. J Immunol1993 Jun 15;150(12):5556-65.
4. Knapp W. Leucocyte typing IV : white cell differentiation antigens. Oxford: Oxford University Press; 1989.
5. Li G, Kim YJ, Mantel C, Broxmeyer HE. P-selectin enhances generation of CD14+CD16+ dendritic-like cells and inhibits macrophage maturation from human peripheral blood monocytes. J Immunol2003 Jul 15;171(2):669-77.
6. Scherberich JE, Nockher WA. CD14++ monocytes, CD14+/CD16+ subset and soluble CD14 as biological markers of inflammatory systemic diseases and monitoring immunosuppressive therapy. Clin Chem Lab Med1999 Mar;37(3):209-13.
7. 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.

6. EXPLANATION OF SYMBOLS

	Fluorochrome
REF	Product reference
Σ	Content for <n> analysis
	Regulatory Status
RUO	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)
Telf./fax: (+34) 923 294 827
E-mail: info@immunostep.com
www.immunostep.com