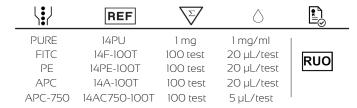
Anti-Human CD14 (47-3D6)





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_);

Recommended usage: Immunostep's CDI4, 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 I test for IO° cells;

Presentation: liquid;

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

Purification: Affinity chromatography;

 $\textbf{Other names}: \ \mathsf{Monocyte} \ \mathsf{differentiation} \ \mathsf{antigen} \ \mathsf{CD14}, \ \mathsf{Myeloid} \ \mathsf{cell-specific} \ \mathsf{leucine-rich}$

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⁾

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.

REFERENCES

- 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(-)/CDI6(+)/HLA-DR(+)/CDI4(-/Io) cells, CDI4(+) monocytes, and CDI6(-) dendritic cells. Clin Immunol2001 Sep;100(3):325-38.
- 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.
- Haziot A, Tsuberi BZ, Goyert SM. Neutrophil CDI4: biochemical properties and role in the secretion of tumor necrosis factor-alpha in response to lipopolysaccharide. J Immunol1993 Jun 15;150(12):5556-65.
- Knapp W. Leucocyte typing IV: white cell differentiation antigens. Oxford: Oxford University Press; 1989.
- Li G, Kim YJ, Mantel C, Broxmeyer HE. P-selectin enhances generation of CDI4+CDI6+ dendritic-like cells and inhibits macrophage maturation from human peripheral blood monocytes. J Immunol2003 Jul 15;171(2):669-77.
- Scherberich JE, Nockher WA. CDI4++ monocytes, CDI4+/CDI6+ subset and soluble CDI4 as biological markers of inflammatory systemic diseases and monitoring immunosuppressive therapy. Clin Chem Lab Medl999 Mar;37(3):209-13.
- 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

\•\	Form
REF	Catalog reference
\sum	Contains sufficient for <n> test</n>
	Regulatory Status
\Diamond	Quantity per test
RUO	Research Use Only
***	Manufacturer

MANUFACTURED BY:

7.



IMMUNOSTEP S.L.

Address: Avda. Universidad de Coimbra, s/n Cancer Research Center (C.I.C)

Campus de Unamuno 37007 Salamanca (Spain)