

Datasheet

CD14 monoclonal antibody, clone MEM-15 (PE)

Catalog Number: MAB5064

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against native CD14.

Clone Name: MEM-15

Immunogen: Native purified human CD14.

Host: Mouse

Theoretical MW (kDa): 53-55

Reactivity: Human, Primates

Applications: Flow Cyt
(See our web site product page for detailed applications information)

Protocols: See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: This antibody reacts with CD14, a 53-55 kDa GPI (glycosylphosphatidylinositol)-linked membrane glycoprotein expressed on monocytes, macrophages and weakly on granulocytes; also expressed by most tissue macrophages. This antibody also reacts with soluble forms of CD14 found in serum and in the urine of some nephrotic patients.

Form: Liquid

Conjugation: PE

Isotype: IgG1

Recommend Usage: Flow Cytometry (20 ul in human blood cells 100 ul in whole blood or 10^6 cells in a suspension)

The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.2% BSA, 0.09% sodium azide)

Storage Instruction: Store in the dark at 4 °C. Do not freeze.

Avoid prolonged exposure to light.

Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 929

Gene Symbol: CD14

Gene Alias: -

Gene Summary: CD14 is a surface protein preferentially expressed on monocytes/macrophages. It binds lipopolysaccharide binding protein and recently has been shown to bind apoptotic cells. Alternative splicing results in multiple transcript variants encoding the same isoform. [provided by RefSeq]

References:

1. Soluble CD14 discriminates slight structural differences between lipid as that lead to distinct host cell activation. Asai Y, Makimura Y, Kawabata A, Ogawa T. J Immunol. 2007 Dec 1;179(11):7674-83.
2. Soluble CD14: role in atopic disease and recurrent infections, including otitis media. Lodrup Carlsen KC, Granum B. Curr Allergy Asthma Rep. 2007 Nov;7(6):436-43.
3. Biochemical characterization of a soluble form of the 53-kDa monocyte surface antigen. Bazil V, Horejsi V, Baudys M, Kristofova H, Strominger JL, Kostka W, Hilgert I. Eur J Immunol. 1986 Dec;16(12):1583-9.