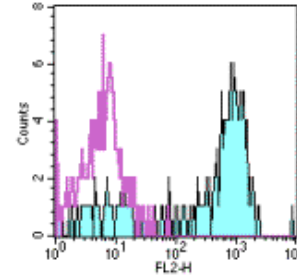


## Product Information

Contents: Phycoerythrin (PE) anti-human CD14  
Catalog Number: 12-0149  
Sizes: 25 tests, 100 tests  
Formulation: Phosphate buffer pH 7.2,  
150 mM NaCl, 0.09% NaN<sub>3</sub>, 0.2% BSA  
Storage Conditions: Store at 4°C.  
DO NOT FREEZE.  
LIGHT-SENSITIVE MATERIAL.  
Clone: 61D3  
Isotype: Mouse IgG1, κ  
HLDA No.: V MA085



*Staining of normal human peripheral blood cells with PE mouse IgG1 isotype control (cat. 12-4719) (open histogram) or PE 61D3 (colored histogram). Cells in the monocyte gate were used for analysis.*

### Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
11-0149	FITC anti-human CD14	488	518	FC
12-0149	PE anti-human CD14	488	575	FC
14-0149	Affinity Purified anti-human CD14	N/A	N/A	FA FC IHC
16-0149	Functional Grade* Purified anti-human CD14	N/A	N/A	FA FC
17-0149	APC anti-human CD14	633	660	FC
25-0149	Phycoerythrin-Cy7 (PE-Cy7) anti-human CD14	488	760	FC

\*Functional Grade™ (FG™): Azide-free, sterile-filtered, and endotoxin < 0.001 ng/μg.  
Purified: Contains azide, not sterile-filtered, and not endotoxin tested.

### Description

The 61D3 monoclonal antibody reacts with human CD14, a 53-55 kDa GPI-linked glycoprotein. CD14 is expressed on monocytes, interfollicular macrophages and some dendritic cells. Complexes of LPS and LBP (LPS-Binding Protein) bind with high affinity to monocytes through the surface CD14.

### Usage

For research use only, not for diagnostic or therapeutic use. The 61D3 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

The 61D3 antibody has been pre-titrated and tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at 20 μl per 100 μl blood (or per 1 million cells in 100 μl total staining volume).

### Related Products

Cat. 11-0149 FITC anti-human CD14 (clone 61D3)  
Cat. 14-0149 Affinity Purified anti-human CD14 (clone 61D3)  
Cat. 16-0149 Functional Grade Purified anti-human CD14 (clone 61D3)  
Cat. 17-0149 APC anti-human CD14 (clone 61D3)  
Cat. 25-0149 Phycoerythrin-Cy7 (PE-Cy7) anti-human CD14 (clone 61D3)  
Cat. 12-4714 Phycoerythrin (PE) Mouse IgG1, K Isotype Control

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## References

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Schlossman, S., L. Bloumsell, et al. eds (1995). *Leucocyte Typing V: White Cell Differentiation Antigens*. Oxford University Press. New York.

Kishimoto, T., A.E.G., von dem Borne, et al. eds. (1998). *Leucocyte Typing VI: White Cell Differentiation Antigens*. Garland Publishing Inc. London.

Fadok VA, Warner ML, Bratton DL, Henson PM. CD36 is required for phagocytosis of apoptotic cells by human macrophages that use either a phosphatidylserine receptor or the vitronectin receptor (alpha v beta 3). *J Immunol* 1998 Dec 1;161(11):6250-7.

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