

Product Information

Contents: Allophycocyanin (APC) anti-human CD14

Catalog Number: 17-0149

Sizes: 25 tests, 100 tests

Formulation: Phosphate buffer pH 7.2,
150 mM NaCl, 0.09% NaN₃, 0.2% BSA

Storage Conditions: Store at 4°C.

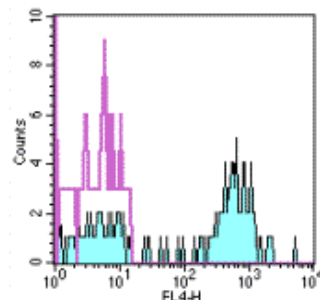
DO NOT FREEZE.

LIGHT-SENSITIVE MATERIAL.

Clone: 61D3

Isotype: Mouse IgG1, κ

HLDA No.: V MA085



Staining of normal human peripheral blood cells with APC mouse IgG1 isotype control (cat. 17-4719) (open histogram) or APC 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. 12-0149 PE 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. 25-0149 Phycoerythrin-Cy7 (PE-Cy7) anti-human CD14 (clone 61D3)
- Cat. 17-4714 Allophycocyanin (APC) Mouse IgG1, K Isotype Control

References

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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