

CD14 Monoclonal Antibody (61D3), APC, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Non-human primate, Human, Mouse
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	61D3
Conjugate	APC
Excitation/Emission Max	651/660 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with BSA
Contains	0.09% sodium azide
Storage conditions	4°C, store in dark, DO NOT FREEZE!
RRID	AB_10669167

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	51 Publications

Product Specific Information

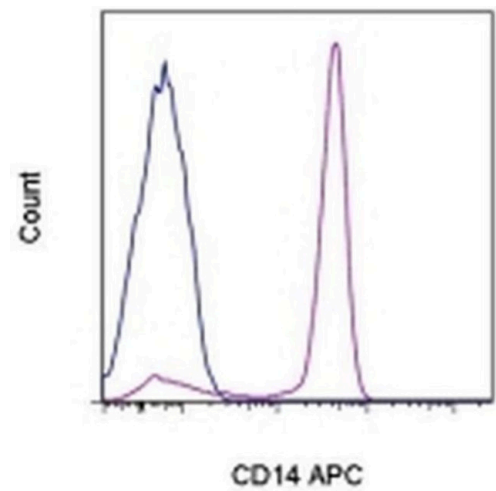
Description: The 61D3 monoclonal antibody reacts with human CD14, a 53-55 kDa GPI-linked glycoprotein. CD14 is expressed on monocytes, interfollicular macrophages and some dendritic cells. Complexes of LPS and LBP (LPS-Binding Protein) bind with high affinity to monocytes through the surface CD14.

Applications Reported: The 61D3 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This 61D3 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.25 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

Excitation: 633-647 nm; Emission: 660 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.



CD14 Antibody (17-0149-42) in Flow
Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control APC (Product # 17-4714-81) (blue histogram) or Anti-Human CD14 APC (purple histogram). Cells in the monocyte gate were used for analysis.

51 References

Flow Cytometry (51)

Scientific reports		Year
Downregulation of DNA methylation enhances differentiation of THP-1 cells and induces M1 polarization of differentiated macrophages.		2023
"17-0149-42 was used in Flow cytometry/Cell sorting to suggest that UHRF1 and DNMT1 play a pivotal role in regulating differentiation and proliferation of THP-1 cells and targeting these proteins may improve the efficiency of differentiation therapy in AML patients."		Species
Authors: Park J,Luo Y,Park JW,Kim SH,Hong YJ,Lim Y,Seo YJ,Bae J,Seo SB		Human
Nature biotechnology		Year
m⁶A RNA modifications are measured at single-base resolution across the mammalian transcriptome.		2022
"17-0149-42 was used in Flow Cytometry to identify numerous cell-state-specific m6A sites whose methylation status was highly dynamic during cell differentiation."		Species
Authors: Hu L,Liu S,Peng Y,Ge R,Su R,Senevirathne C,Harada BT,Dai Q,Wei J,Zhang L,Hao Z,Luo L,Wang H,Wang Y, Luo M,Chen M,Chen J,He C		Human

[View more Flow references on thermofisher.cn](#)

More applications with references on thermofisher.cn

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