

CD14 Monoclonal Antibody (61D3), Alexa Fluor 532, eBioscience™

Product Details	
Size	25 Tests
Species Reactivity	Human
Published Species	Human, Mouse
Host/Isotope	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Alexa Fluor 532, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	61D3
Conjugate	Alexa Fluor® 532
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin, 0.2% BSA
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_11218093

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	22 Publications
Immunocytochemistry (ICC)	-	1 Publication
Immunofluorescence (IF)	-	4 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.

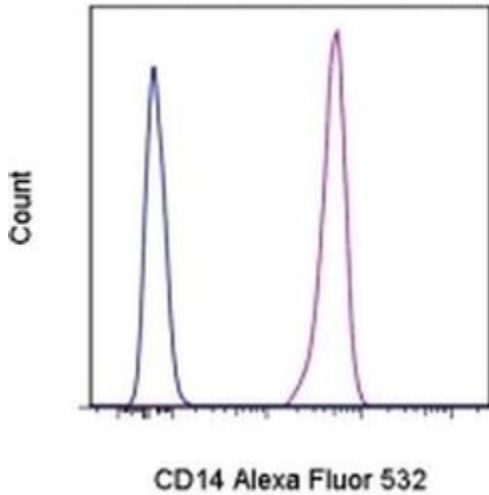
Applications Reported: This 61D3 antibody has been reported for use in flow cytometric analysis.

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.

Alexa Fluor® 532 is excited with the Green laser (532 nm) and emits at 561 nm. This cannot be used with the Yellow-Green laser (561 nm). We recommend using a 560/14 band pass filter. Please make sure that your instrument is capable of detecting this fluorochrome.

Excitation: 532 nm; **Emission:** 561 nm; **Laser:** Green Laser

Product Images For CD14 Monoclonal Antibody (61D3), Alexa Fluor 532, eBioscience™



CD14 Antibody (58-0149-41) in Flow

Staining of normal human peripheral blood cells with staining buffer (autofluorescence) (blue histogram) or Anti-Human CD14 Alexa Fluor® 532 (purple histogram). Cells in the monocyte gate were used for analysis.

[View more figures on thermofisher.com](#)

27 References

Flow Cytometry (22)

Frontiers in immunology

Characterizing the Role of Monocytes in T Cell Cancer Immunotherapy Using a 3D Microfluidic Model.

"Published figure using CD14 monoclonal antibody (Product # 58-0149-41) in Flow Cytometry"

Authors: Lee SWL,Adriani G,Ceccarello E,Pavesi A,Tan AT,Bertoletti A,Kamm RD,Wong SC

Species
Not Applicable

Dilution
Not Cited

Year
2019

Nature communications

Cellular metabolism constrains innate immune responses in early human ontogeny.

"Published figure using CD14 monoclonal antibody (Product # 58-0149-41) in Flow Cytometry"

Authors: Kan B,Michalski C,Fu H,Au HHT, Lee K, Marchant EA, Cheng MF, Anderson-Baucum E, Aharoni-Simon M, Tilley P, Mirmira RG, Ross CJ, Luciani DS, Jan E, Lavoie PM

Species
Not Applicable

Dilution
Not Cited

Year
2018

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

Immunofluorescence (4)

Retrovirology

Toll-like receptor 3 activation selectively reverses HIV latency in microglial cells.

"Published figure using CD14 monoclonal antibody (Product # 58-0149-41) in Immunofluorescence"

Authors: Alvarez-Carbonell D, Garcia-Mesa Y, Milne S, Das B, Dobrowolski C, Rojas R, Karn J

Species
Not Applicable

Dilution
Not Cited

Year
2017

Thrombomodulin regulates monocyte differentiation via PKC and ERK1/2 pathway in vitro and in atherosclerotic artery.

"Published figure using CD14 monoclonal antibody (Product # 58-0149-41) in Flow Cytometry"

Authors: Tsai CS, Lin YW, Huang CY, Shih CM, Tsai YT, Tsao NW, Lin CS, Shih CC, Jeng H, Lin FY

Species
Human

Dilution
Not Cited

Year
2016

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ICC (1)

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