

CD14 Monoclonal Antibody (61D3), eFluor 450, eBioscience™

Product Details	
Size	100 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), eFluor 450, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	61D3
Conjugate	eFluor® 450
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_1272050

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.5 µg)/test	25 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 (0.5 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.

eFluor® 450 is an alternative to Pacific Blue®. eFluor® 450 emits at 445 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

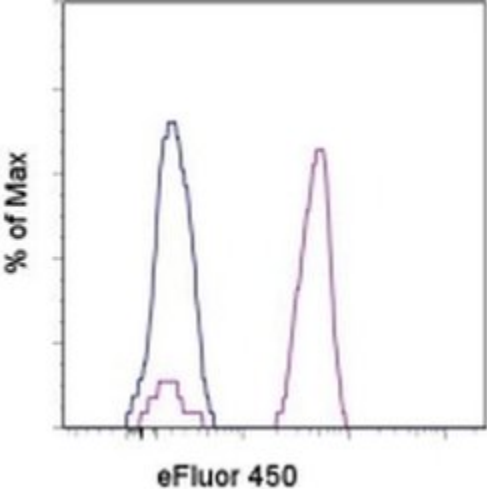
Excitation: 405 nm; **Emission:** 445 nm; **Laser:** Violet Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD14 Monoclonal Antibody (61D3), eFluor 450, eBioscience™

CD14 Antibody (48-0149-42) in Flow

Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control eFluor® 450 (Product # 48-4714-82) (blue histogram) or Anti-Human CD14 eFluor® 450 (purple histogram). Cells in the monocyte gate were used for analysis.



[View more figures on thermofisher.com](http://thermofisher.com)

Flow Cytometry (25)

Frontiers in immunology

Safety and Immunogenicity of Malaria Vectored Vaccines Given with Routine Expanded Program on Immunization Vaccines in Gambian Infants and Neonates: A Randomized Controlled Trial.

Authors: Mensah VA, Roetyncck S, Kanteh EK, Bowyer G, Ndaw A, Oko F, Bliss CM, Jagne YJ, Cortese R, Nicosia A, Roberts R, D'Alessio F, Leroy O, Faye B, Kampmann B, Cisse B, Bojang K, Gerry S, Viebig NK, Lawrie AM, Clarke E, Imoukhuede EB, Ewer KJ, Hill AVS, Afolabi MO

Species
Human

Dilution
1:50

Year
2019

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 # 48-0149-42) 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

[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 # 48-0149-42) 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

Scientific reports

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

"Published figure using CD14 monoclonal antibody (Product # 48-0149-42) 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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More applications with references on thermofisher.com

ICC (1)

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