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

Product Details	
Size	25 Tests
Species Reactivity	Human
Published Species	Human, Mouse
Host/Isotype	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
Immunohistochemistry (IHC)	-	1 Publication
Immunocytochemistry (ICC/IF)	-	4 Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	31 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.

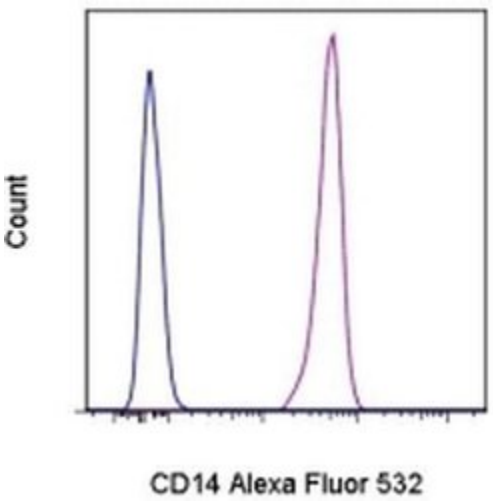
Applications Reported: This 61D3 antibody has been reported for use in flow cytometric analysis.

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 10^5 to 10^8 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

36 References

Immunohistochemistry (1)

PloS one

Ulcerative colitis impairs the acylethanolamide-based anti-inflammatory system reversal by 5-aminosalicylic acid and glucocorticoids.

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

Authors: Suárez J,Romero-Zerbo Y,Márquez L,Rivera P,Iglesias M,Bermúdez-Silva FJ,Andreu M,Rodríguez de Fonseca F

Species
Not Applicable

Dilution
Not Cited

Year
2012

Immunocytochemistry (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

Scientific reports

Thrombomodulin regulates monocye 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

View more ICC/IF references on thermofisher.com

Flow Cytometry (31)

International journal of biological sciences

MiR-103 protects from recurrent spontaneous abortion via inhibiting STAT1 mediated M1 macrophage polarization.

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

Authors: Zhu X,Liu H,Zhang Z,Wei R,Zhou X,Wang Z,Zhao L,Guo Q,Zhang Y,Chu C,Wang L,Li X

Species
Not Applicable

Dilution
Not Cited

Year
2021

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More applications with references on thermofisher.com