

# CD14 Monoclonal Antibody (61D3), Alexa Fluor™ 700, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Alexa Fluor™ 700, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	61D3
Conjugate	Alexa Fluor™ 700
Excitation/Emission Max	696/719 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2574497

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	2 Publications
Immunocytochemistry (ICC/IF)	-	4 Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	44 Publications
Neutralization (Neu)	-	1 Publication

## 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.

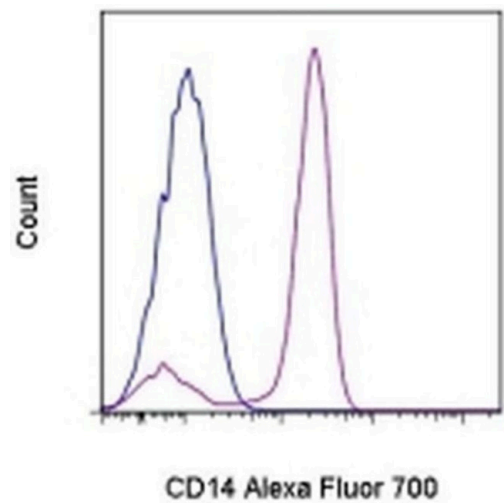
**Applications Tested:** This 61D3 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.25 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test.

Alexa Fluor® 700 emits at 723 nm and can be excited with the red laser (633 nm). Most instruments will require a 685 LP mirror and 710/20 filter. Please make sure that your instrument is capable of detecting this fluorochrome.

Excitation: 633-647 nm; Emission: 723 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

**Product Images For CD14 Monoclonal Antibody (61D3), Alexa Fluor™ 700, eBioscience™**



**CD14 Antibody (56-0149-42) in Flow**  
Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control Alexa Fluor® 700 (Product # 56-4714-80) (blue histogram) or Anti-Human CD14 Alexa Fluor® 700 (purple histogram). Cells in the monocyte gate were used for analysis.

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Immunohistochemistry (2)

<p>PloS one</p> <p><b>Biologically active polymers from spontaneous carotenoid oxidation: a new frontier in carotenoid activity.</b></p> <p>"Published figure using CD14 monoclonal antibody (Product # 56-0149-42) in Immunocytochemistry"</p> <p>Authors: Johnston JB,Nickerson JG,Daroszewski J,Mogg TJ,Burton GW</p>	<p>Year</p> <p>2015</p> <p>Species</p> <p>Human</p>
<p>PloS one</p> <p><b>Ulcerative colitis impairs the acylethanolamide-based anti-inflammatory system reversal by 5-aminosalicylic acid and glucocorticoids.</b></p> <p>"Published figure using CD14 monoclonal antibody (Product # 56-0149-42) in Immunofluorescence"</p> <p>Authors: Suárez J,Romero-Zerbo Y,Márquez L,Rivera P,Iglesias M,Bermúdez-Silva FJ,Andreu M,Rodríguez de Fonseca F</p>	<p>Year</p> <p>2012</p>

Immunocytochemistry (4)

<p>Nature communications</p> <p><b>Early macrophage response to obesity encompasses Interferon Regulatory Factor 5 regulated mitochondrial architecture remodelling.</b></p> <p>"Published figure using CD14 monoclonal antibody (Product # 56-0149-42) in Immunocytochemistry"</p> <p>Authors: Orliaguet L,Ejlalmanesh T,Humbert A,Ballaire R,Diedisheim M,Julla JB,Chokr D,Cuenco J,Michieletto J, Charbit J,Lindén D,Boucher J,Potier C,Hamimi A,Lemoine S,Blugeon C,Legoix P,Lameiras S,Baudrin LG,Baulande S, Soprani A,Castelli FA,Fenaille F,Riveline JP,Dalmas E,Rieusset J,Gautier JF,Venteclef N,Alzaid F</p>	<p>Year</p> <p>2022</p>
<p>Retrovirology</p> <p><b>Toll-like receptor 3 activation selectively reverses HIV latency in microglial cells.</b></p> <p>"Published figure using CD14 monoclonal antibody (Product # 56-0149-42) in Immunofluorescence"</p> <p>Authors: Alvarez-Carbonell D,Garcia-Mesa Y,Milne S,Das B,Dobrowolski C,Rojas R,Karn J</p>	<p>Year</p> <p>2017</p>

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- Flow (44)
- Neu (1)

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