

CD14 Monoclonal Antibody (61D3), Functional Grade, eBioscience™

Product Details

Size	100 µg
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Functional Grade, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	61D3
Conjugate	Functional Grade
Form	Liquid
Concentration	1 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	no preservative
Storage conditions	4° C
RRID	AB_468895

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	2 Publications
Immunocytochemistry (ICC/IF)	-	4 Publications
Flow Cytometry (Flow)	1 µg/test	46 Publications
Neutralization (Neu)	-	1 Publication
Functional Assay (FN)	Assay-Dependent	-
Miscellaneous PubMed (Misc)	-	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: The 61D3 antibody has been reported for use in flow cytometric analysis. 61D3 has also been reported for in vitro functional studies. (Fluorochrome-conjugated 61D3 is recommended for use in flow cytometry).

Applications Tested: The 61D3 antibody has been tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at less than or equal to 1 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Storage and handling: Use in a sterile environment.

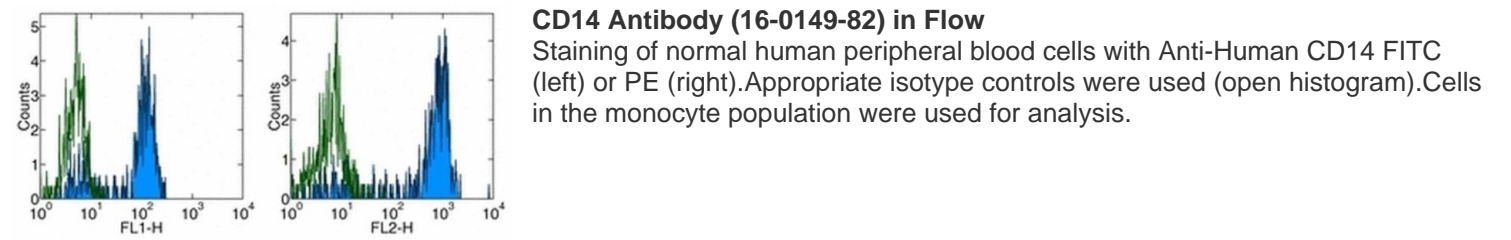
Filtration: 0.2 µm post-manufacturing filtered.

Purity: Greater than 90%, as determined by SDS-PAGE.

Endotoxin Level: Less than 0.001 ng/µg antibody, as determined by LAL assay.

Aggregation: Less than 10%, as determined by HPLC.

Product Images For CD14 Monoclonal Antibody (61D3), Functional Grade, eBioscience™



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Immunohistochemistry (2)

<p>PloS one</p> <p>Biologically active polymers from spontaneous carotenoid oxidation: a new frontier in carotenoid activity.</p> <p>"Published figure using CD14 monoclonal antibody (Product # 16-0149-82) in Flow Cytometry"</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>Ulcerative colitis impairs the acylethanolamide-based anti-inflammatory system reversal by 5-aminosalicylic acid and glucocorticoids.</p> <p>"Published figure using CD14 monoclonal antibody (Product # 16-0149-82) 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>Early macrophage response to obesity encompasses Interferon Regulatory Factor 5 regulated mitochondrial architecture remodelling.</p> <p>"Published figure using CD14 monoclonal antibody (Product # 16-0149-82) 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>Toll-like receptor 3 activation selectively reverses HIV latency in microglial cells.</p> <p>"Published figure using CD14 monoclonal antibody (Product # 16-0149-82) 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 (46)
- Neu (1)
- Misc (1)

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