

CD14 Monoclonal Antibody (61D3), Super Bright™ 436, eBioscience™

Product Details

Size	100 Tests
Species Reactivity	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Super Bright™ 436, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	61D3
Conjugate	Super Bright™ 436
Excitation/Emission Max	413/431 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2724060

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunocytochemistry (ICC/IF)	-	2 Publications
Flow Cytometry (Flow)	5 µL (0.5 µg)/test	16 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-diluted and tested by flow cytometric analysis of normal human peripheral blood cells. This may 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.

Super Bright 436 can be excited with the violet laser line (405 nm) and emits at 436 nm. We recommend using a 450/50 bandpass filter, or equivalent. Please make sure that your instrument is capable of detecting this fluorochrome.

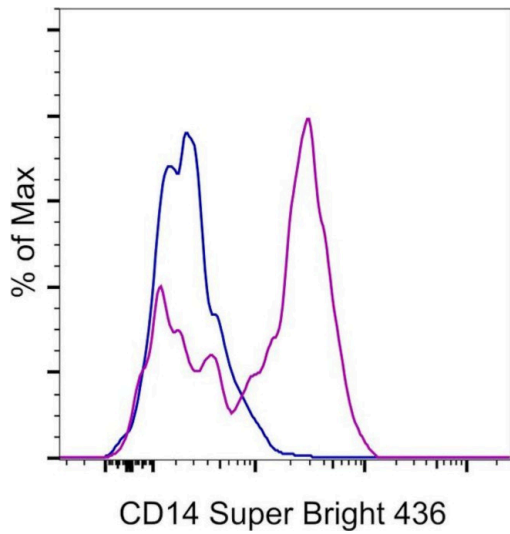
When using two or more Super Bright dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright Complete Staining Buffer (Product # SB-4401) to minimize any non-specific polymer interactions. Please refer to the datasheet

for Super Bright Staining Buffer for more information.

Excitation: 405 nm; Emission: 436 nm; Laser: Violet Laser

Super Bright Polymer Dyes are sold under license from Becton, Dickinson and Company.

Product Images For CD14 Monoclonal Antibody (61D3), Super Bright™ 436, eBioscience™



CD14 Antibody (62-0149-42) in Flow
Normal human peripheral blood cells were stained with Mouse IgG1 kappa Isotype Control, Super Bright 436 (Product # 62-4714-82) (blue histogram) or CD14 Monoclonal Antibody, Super Bright 436 (purple histogram). Cells in the monocyte gate were used for analysis.

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

Immunohistochemistry (1)

<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 # 62-0149-42) in Immunohistochemistry"</p> <p>Authors: Johnston JB,Nickerson JG,Daroszewski J,Mogg TJ,Burton GW</p>	<p>Year</p> <p>2015</p>
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Immunocytochemistry (2)

<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 # 62-0149-42) 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>
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<p>Scientific reports</p> <p>Thrombomodulin regulates monocyte differentiation via PKC and ERK1/2 pathway in vitro and in atherosclerotic artery.</p> <p>"Published figure using CD14 monoclonal antibody (Product # 62-0149-42) in Immunocytochemistry"</p> <p>Authors: Tsai CS,Lin YW,Huang CY,Shih CM,Tsai YT,Tsao NW,Lin CS,Shih CC,Jeng H,Lin FY</p>	<p>Year</p> <p>2016</p>
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Flow Cytometry (16)

<p>Frontiers in oncology</p> <p>Spontaneous Osteoclastogenesis, a risk factor for bone metastasis in advanced luminal A-type breast cancer patients.</p> <p>"Published figure using CD14 monoclonal antibody (Product # 62-0149-42) in Flow Cytometry"</p> <p>Authors: Fernández Vallone V,Borzone FR,Martinez LM,Giorello MB,Choi H,Dimase F,Feldman L,Bordenave RH, Chudzinski-Tavassi AM,Batagelj E,Chasseing NA</p>	<p>Year</p> <p>2023</p>
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More applications with references on thermofisher.com

Neu (1)

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