

CD14 Monoclonal Antibody (61D3), PerCP-Cyanine5.5, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotope	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PerCP-Cyanine5.5, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	61D3
Conjugate	PerCP-Cyanine5.5
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_1518736

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.5 µg)/test	30 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.

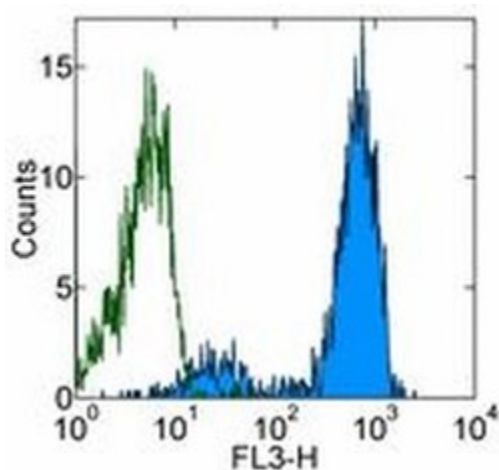
Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 µL of cell sample + 100 µL of IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency /compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

Excitation: 488 nm; Emission: 695 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD14 Monoclonal Antibody (61D3), PerCP-Cyanine5.5, eBioscience™



CD14 Antibody (45-0149-42) in Flow

Staining of normal human peripheral blood cells with staining buffer (autofluorescence) (open histogram) or Anti-Human CD14 PerCP-Cyanine5.5 (filled histogram). Cells in the monocyte gate were used for analysis.

[View more figures on thermofisher.com](#)

30 References

Flow Cytometry (30)

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 # 45-0149-42) 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

Nature communications

Cellular metabolism constrains innate immune responses in early human ontogeny.

"Published figure using CD14 monoclonal antibody (Product # 45-0149-42) in Flow Cytometry"

Authors: Kan B,Michalski C,Fu H,Au HHT, Lee K, Marchant EA, Cheng MF, Anderson-Baucum E, Aharoni-Simon M, Tilley P, Mirmira RG, Ross CJ, Luciani DS, Jan E, Lavoie PM

Species
Not Applicable

Dilution
Not Cited

Year
2018

[View more Flow references on thermofisher.com](#)

More applications with references on thermofisher.com

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