CD14 Monoclonal Antibody (61D3), PE, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Artificial Control, Human, Mouse
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	61D3
Conjugate	PE
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_10598367

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunocytochemistry (ICC)	-	1 Publication
Immunofluorescence (IF)	-	2 Publications
Flow Cytometry (Flow)	5 µL (0.5 µg)/test	54 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.

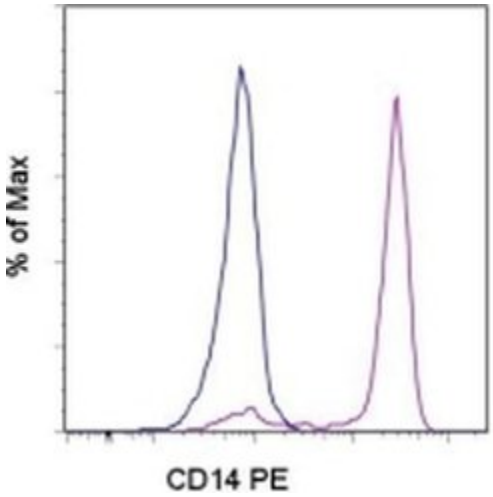
Applications Reported: The 61D3 antibody has been reported for use in flow cytometric analysis.

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 10^5 to 10^8 cells/test.

Excitation: 488-561 nm; Emission: 578 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD14 Antibody (12-0149-42) in Flow
Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control PE (Product # 12-4714-81) (blue histogram) or Anti-Human CD14 PE (purple histogram). Cells in the monocyte gate were used for analysis.

View more figures on thermofisher.com

58 References

Immunohistochemistry (1)

Integrative biology : quantitative biosciences from nano to macro

Microfluidic device for simultaneous analysis of neutrophil extracellular traps and production of reactive oxygen species.

"12-0149 was used in Immunohistochemistry-immunofluorescence to develop a microfluidic device to quantify both reactive oxygen species and neutrophil extracellular trap production over time in response to various stimulants, including live bacteria."

Authors: Moussavi-Harami SF,Mladinich KM,Sackmann EK,Shelef MA,Starnes TW,Guckenberger DJ,Huttenlocher A, Beebe DJ

Species
Human

Dilution
Not Cited

Year
2016

Immunocytochemistry (1)

Frontiers in immunology

The Synergistic Effects of the Glutathione Precursor, NAC and First-Line Antibiotics in the Granulomatous Response Against *Mycobacterium tuberculosis*.

"12-0149 was used in Immunocytochemistry-immunoflourescence to examine if N-Acetyl Cysteine in combination with antibiotics would be sufficient to completely clear Mycobacterium tuberculosis infection within in vitro granulomas."

Authors: Teskey G,Cao R,Islamoglu H,Medina A,Prasad C,Prasad R,Sathananthan A,Fraix M,Subbian S,Zhong L, Venketaraman V

Species
Human

Dilution
Not Cited

Year
2019

Immunofluorescence (2)

Frontiers in immunology

The Synergistic Effects of the Glutathione Precursor, NAC and First-Line Antibiotics in the Granulomatous Response Against *Mycobacterium tuberculosis*.

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Species
Human

Dilution
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Flow (54)