

CD14 Monoclonal Antibody (61D3), FITC, eBioscience

| Product Details | |
|-----------------------------|------------------------------------------------------------------|
| Size | 100 Tests |
| Species Reactivity | Human |
| Published Species | Non-human primate, Human |
| Host/Isotype | Mouse / IgG1, kappa |
| Recommended Isotype Control | Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), FITC, eBioscience |
| Class | Monoclonal |
| Type | Antibody |
| Clone | 61D3 |
| Conjugate | FITC |
| 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_10597597 |

| Applications | Tested Dilution | Publications |
|-----------------------------|------------------|-----------------|
| Flow Cytometry (Flow) | 5 µL (1 µg)/test | 56 Publications |
| 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.

Applications Tested: The 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 (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.

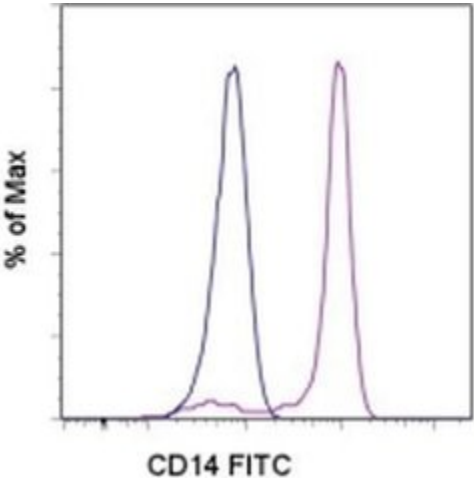
Excitation: 488 nm; **Emission:** 520 nm; **Laser:** Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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

CD14 Antibody (11-0149-42) in Flow

Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control FITC (Product # 11-4714-42) (blue histogram) or Anti-Human CD14 FITC (purple histogram). Cells in the monocyte gate were used for analysis.



Flow Cytometry (56)

The Journal of biological chemistry

From macrophage interleukin-13 receptor to foam cell formation: mechanisms for M2 integrin interference.

"11-0149 was used in Flow cytometry/Cell sorting to investigate the molecular mechanisms that down-regulate CD36 expression and CD36-mediated foam cell formation after (M)(2) activation."

Authors: Yakubenko VP,Hsi LC,Cathcart MK,Bhattacharjee A

Species
Human

Dilution
Not Cited

Year
2013

PLoS neglected tropical diseases

Hyperreactive onchocerciasis is characterized by a combination of Th17-Th2 immune responses and reduced regulatory T cells.

"11-0149 was used in Flow cytometry/Cell sorting to provide initial evidence that elevated frequencies of Th17 and Th2 cells form part of the immune network instigating the development of severe onchocerciasis."

Authors: Katawa G,Layland LE,Debrah AY,von Horn C,Batsa L,Kwarteng A,Arriens S,W Taylor D,Specht S,Hoerauf A,Adjobimey T

Species
Human

Dilution
Not Cited

Year
2015

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

Miscellaneous PubMed (1)

Blood

Autoimmunity, hypogammaglobulinemia, lymphoproliferation, and mycobacterial disease in patients with activating mutations in STAT3.

"11-0149 was used in Flow cytometry/Cell sorting to investigate phenotypes caused by activating STAT3 mutations, linking understanding of the STAT family of TFs and autoimmunity."

Authors: Haapaniemi EM,Kaustio M,Rajala HL,van Adrichem AJ,Kainulainen L,Glumoff V,Doffinger R,Kuusanmäki H,Heiskanen-Kosma T,Trotta L,Chiang S,Kulmala P,Eldfors S,Katainen R,Siitonen S,Karjalainen-Lindsberg ML,Kovanen PE,Otonkoski T,Porkka K,Heiskanen K,Hänninen A,Bryceson YT,Uusitalo-Seppälä R,Saarela J,Seppänen M,Mustjoki S, Kere J

Species
Human

Dilution
Not Cited

Year
2015

More applications with references on thermofisher.com

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