

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

| Product Details | |
|-----------------------------|---|
| Size | 100 Tests |
| Species Reactivity | Human |
| Published Species | Non-human primate, Human, Mouse |
| 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 |
| Excitation/Emission Max | 498/517 nm |
| Form | Liquid |
| Concentration | 5 µL/Test |
| Purification | Affinity chromatography |
| Storage buffer | PBS, pH 7.2, with 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 | 77 Publications |
| Miscellaneous PubMed (Misc) | - | 1 Publication |

Product Specific Information

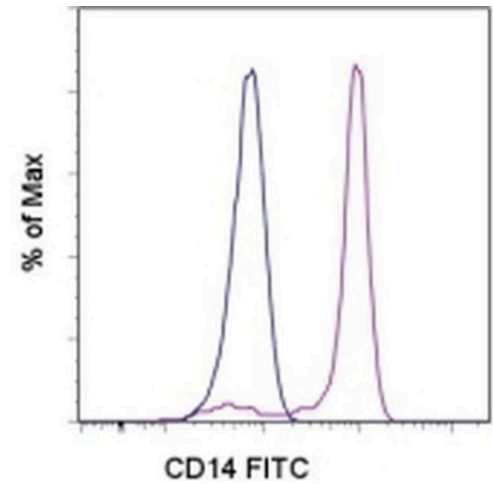
Description: The 61D3 monoclonal antibody reacts with human CD14, a 53-55 kDa GPI-linked glycoprotein. CD14 is expressed on monocytes, interfollicular macrophages and some dendritic cells. Complexes of LPS and LBP (LPS-Binding Protein) bind with high affinity to monocytes through the surface CD14.

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.



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.

78 References

Flow Cytometry (77)

| | |
|---|-------------------|
| Archives of rheumatology | Year 2022 |
| CD14+ monocytes and soluble CD14 of synovial fluid are associated with osteoarthritis progression. | Species Human |
| "11-0149-42 was used in Flow cytometry/Cell sorting to suggest that CD14+ monocytes and the sCD14-mediated pathway play an important role in OA aggravation through inflammatory cytokine secretion." | |
| Authors: Lee HR, Lee S, Yoo IS, Yoo SJ, Kwon MH, Joung CI, Park JA, Wook Kang S, Kim J | |
| Journal of virology | Year 2022 |
| MicroRNA 573 Rescues Endothelial Dysfunction during Dengue Virus Infection under PPAR Regulation. | Species Human |
| "11-0149-42 was used in Flow cytometry/Cell sorting to show that miR-573 rescues endothelial permeability and is downregulated during DENV2 infection in endothelial cells." | Dilution 1:500 |
| Authors: Banerjee S, Xin CW, Chu JJH | |

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

Miscellaneous PubMed (1)

| | |
|---|------------------|
| Blood | Year 2015 |
| Autoimmunity, hypogammaglobulinemia, lymphoproliferation, and mycobacterial disease in patients with activating mutations in STAT3. | Species Human |
| "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 | |

More applications with references on thermofisher.com

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