# ARG21343
# anti-CD14 antibody [61D3] (APC-Cyanine 5.5)

Package: 50 tests
Store at: 4°C

## Summary

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|---|---|
| Product Description | APC-Cyanine 5.5-conjugated Mouse Monoclonal antibody [61D3] recognizes CD14 |
| Tested Reactivity | Hu, Dog |
| Tested Application | BL, ELISA, FACS, ICC/IF, IHC-Fr, WB |
| Specificity | Human/Cynomolgus/Canine/Hooded Seal CD14. |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone | 61D3 |
| Isotype | IgG1, kappa |
| Target Name | CD14 |
| Species | Human |
| Immunogen | Human peripheral monocytes |
| Conjugation | APC-Cyanine 5.5 |
| Alternate Names | CD antigen CD14; Myeloid cell-specific leucine-rich glycoprotein; Monocyte differentiation antigen CD14 |

## Application Instructions

Application table

| Application | Dilution |
|---|---|
| BL | Assay-dependent |
| ELISA | Assay-dependent |
| FACS | 10 µl/10^6 cells |
| ICC/IF | Assay-dependent |
| IHC-Fr | Assay-dependent |
| WB | Assay-dependent |

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

## Properties

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| Form | Liquid |
| Buffer | PBS, 0.1% Sodium azide and Sucrose. |
| Preservative | 0.1% Sodium azide |
| Stabilizer | Sucrose |

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| Storage instruction | Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

## Bioinformation

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|---|---|
| Database links | GeneID: 929 Human<br><br>Swiss-port # P08571 Human |
| Gene Symbol | CD14 |
| Gene Full Name | CD14 molecule |
| Background | The protein encoded by this gene is a surface antigen that is preferentially expressed on monocytes/macrophages. It cooperates with other proteins to mediate the innate immune response to bacterial lipopolysaccharide. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Mar 2010] |
| Function | In concert with LBP, binds to monomeric lipopolysaccharide and delivers it to the MD-2/TLR4 complex, thereby mediating the innate immune response to bacterial lipopolysaccharide (LPS). Acts via MyD88, TIRAP and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. Up-regulates cell surface molecules, including adhesion molecules. [UniProt] |
| Research Area | Developmental Biology antibody; Immune System antibody; General Lymphocyte Marker Study antibody; Macrophages and neutrophils antibody |
| Calculated Mw | 40 kDa |
| PTM | N- and O- glycosylated. O-glycosylated with a core 1 or possibly core 8 glycan. |