

ARG21340 anti-CD14 antibody [61D3] (low endotoxin)

Package: 100 µg
Store at: -20°C

Summary

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| Product Description | Azide free and low endotoxin 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 | Un-conjugated |
| 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 | < 1 µg/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 |
| Purification Note | Low endotoxin |
| Buffer | PBS |
| Concentration | 0.5 mg/ml |

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| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. 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 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. |