



## Anti-CD14 monoclonal antibody, clone 61D3 [R-PE/Cy5®] (CABT-45590MH)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

**Product Overview** Mouse anti Human CD14 antibody, clone 61D3 recognizes human CD14, otherwise known as monocyte differentiation antigen. It is a 40kDa protein found on cell surfaces, particularly macrophages. CD14 acts as a co-receptor (along with the Toll-like receptor TLR 4 and MD-2) to mediate the innate immune response to bacterial lipopolysaccharide. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells or 100ul whole blood.

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|---------------------------|--|
| <b>Specificity</b>        | CD14   |
| <b>Isotype</b>            | IgG1   |
| <b>Source/Host</b>        | Mouse  |
| <b>Species Reactivity</b> | Human, Bovine, Cat, Cynomolgus monkey, Dog, Goat, Mink, Pig, Rabbit, Sheep   |
| <b>Clone</b>              | 61D3   |
| <b>Conjugate</b>          | PE/Cy5   |
| <b>Applications</b>       | FC   |
| <b>Format</b>             | Purified IgG conjugated to R. Phycoerythrin (RPE) - Cy5 - liquid   |
| <b>Size</b>               | 1 ml   |
| <b>Preservative</b>       | 0.09% Sodium Azide   |
| <b>Storage</b>            | Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use. |

# GENE INFORMATION

|                            |  |
|----------------------------|--|
| <b>Gene Name</b>           | <a href="#">CD14 CD14 molecule [ Homo sapiens (human) ]</a>  |
| <b>Official Symbol</b>     | CD14   |
| <b>Synonyms</b>            | CD14; CD14 molecule; monocyte differentiation antigen CD14; myeloid cell-specific leucine-rich glycoprotein;   |
| <b>Entrez Gene ID</b>      | <a href="#">929</a>  |
| <b>Protein Refseq</b>      | <a href="#">NP_000582</a>  |
| <b>UniProt ID</b>          | P08571   |
| <b>Chromosome Location</b> | 5q31.1   |
| <b>Pathway</b>             | Activated TLR4 signalling; Activation of IRF3/IRF7 mediated by TBK1/IKK epsilon; Amoebiasis; Hematopoietic cell lineage; IKK complex recruitment mediated by RIP1; Immune System; Innate Immune System; Legionellosis; |
| <b>Function</b>            | lipopolysaccharide binding; lipoteichoic acid binding; opsonin receptor activity; peptidoglycan receptor activity; protein binding;  |