



# Anti-CD14 monoclonal antibody, clone 61D3 [R-PE/Cy5.5®] (CABT-45591MH)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	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.
<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/Cy5.5
<b>Applications</b>	FC
<b>Format</b>	Purified IgG conjugated to R. Phycoerythrin - Cy5.5 (RPE-Cy5.5) - 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

Gene Name	<a href="#">CD14 CD14 molecule [ Homo sapiens (human) ]</a>
Official Symbol	CD14
Synonyms	CD14; CD14 molecule; monocyte differentiation antigen CD14; myeloid cell-specific leucine-rich glycoprotein;
Entrez Gene ID	<a href="#">929</a>
Protein Refseq	<a href="#">NP_000582</a>
UniProt ID	P08571
Chromosome Location	5q31.1
Pathway	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;
Function	lipopolysaccharide binding; lipoteichoic acid binding; opsonin receptor activity; peptidoglycan receptor activity; protein binding;