



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.

Specificity	CD14
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human, Bovine, Cat, Cynomolgus monkey, Dog, Goat, Mink, Pig, Rabbit, Sheep
Clone	61D3
Conjugate	PE/Cy5
Applications	FC
Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - Cy5 - liquid
Size	1 ml
Preservative	0.09% Sodium Azide
Storage	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	CD14 CD14 molecule [Homo sapiens (human)]
Official Symbol	CD14
Synonyms	CD14; CD14 molecule; monocyte differentiation antigen CD14; myeloid cell-specific leucine-rich glycoprotein;
Entrez Gene ID	929
Protein Refseq	NP_000582
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;