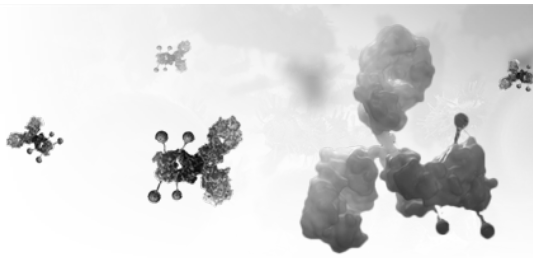

Anti-CD14 monoclonal antibody, clone MEM-18 [FITC] (CABT-45585MH)

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

PRODUCT INFORMATION

Product Overview	Mouse anti Human CD14 antibody, clone MEM-18 antibody recognizes a monocyte surface antigen of 55 kDa classified as CD14. The CD14 molecule is found predominantly on monocytes and macrophages in flow cytometry, it is less strongly expressed on granulocytes, and is absent from stem cells and myeloid cells of very early differentiation states. In immunohistology the CD14 molecule is found to be present on Langerhans cells, follicular dendritic cells, histocytes and high endothelial venules. In ELISA clone MEM-18 recognizes the soluble form CD14 and has been used successfully in the develpopment of a sensitive ELISA as a capture reagent in conjunction with biotinylated Mouse anti CD14 antibody, clone ACHM1 as a detection reagent Mouse anti Human CD14 antibody, clone MEM-18 is reported to block the binding of bacterial lipopolysaccharide (LPS) to monocytes. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul or 100ul whole blood
Specificity	CD14
Immunogen	Crude protein prepared by ammonium sulfate precipitation of urine from a proteinuria patient.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	MEM-18
Conjugate	FITC
Applications	FC
Format	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Size	100 µg
Preservative	See individual product datasheet
Storage	in frost-free freezers is not recommended. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. 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;

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