Product Datasheet

CD14 Antibody (orb44143)

Catalog Number	orb44143
Category	Antibodies
Description	Mouse Monoclonal to CD14.
Target	CD14
Clonality	Monoclonal
Isotype	Mouse IgG1
Conjugation	Unconjugated
Reactivity	Human, Primate
Concentration	1 mg/ml
Buffer/Preservatives	Phosphate buffered saline (PBS), pH 7.4
Purification	Purified by protein-A affinity chromatography.
Immunogen	A crude mixture of human urinary proteins precipitated by ammonium sulphate from the urine of a patient suffering from proteinuria.
UniProt ID	P08571
Tested applications	ELISA, FA, FC, IP, WB

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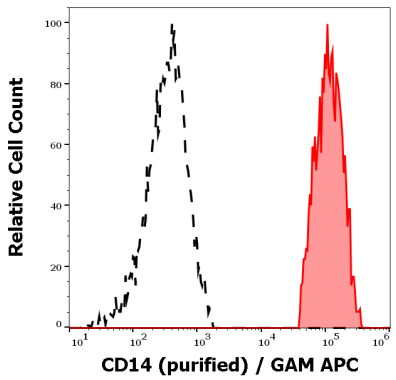
Application notes	ELISA: The antibody MEM-18 has been tested as the detection antibody in a sandwich ELISA for analysis of human CD14 in combination with antibody B-A8 (cat. no. orb43674). Functional application: The antibody MEM-18 completely blocks binding of fluorescein (FITC) labeled bacterial LPS to the monocyte surface and it also blocks the binding of CD14 to the extracellular TLR2 domain. Flow cytometry: recommended dilution: 4 µg/ml. Western blotting: Non-reducing conditions.
Specificity	The antibody MEM-18 reacts with CD14, a 53-55 kDa GPI (glycosylphosphatidylinositol)-linked extracellular membrane glycoprotein expressed on monocytes, macrophages and weakly on granulocytes; also expressed by most tissue macrophages. In human, the epitope recognized by MEM-18 is located between amino acids 57-64.
Antibody Type	Primary Antibody
Clone Number	MEM-18
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Entrez	**929**
Expiration Date	12 months from date of receipt.



Separation of human monocytes (red-filled) from CD14 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of peripheral whole blood stained using anti-human CD14 (MEM-18) purified antibody (concentration in sample 0.6 µg/ml, GAM APC).

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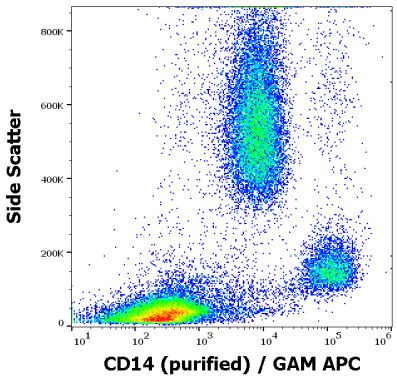

Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD14 (MEM-18) purified antibody (concentration in sample 0.6 µg/ml, GAM APC).

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