

Product Datasheet

CD14 Antibody (MEM-18) NBP1-79134

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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NBP1-79134

CD14 Antibody (MEM-18)

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	MEM-18
Preservative	No Preservative
Isotype	IgG1
Purity	Protein A purified
Buffer	Phosphate buffered saline (PBS), approx. pH 7.4.

Product Description	
Host	Mouse
Gene ID	929
Gene Symbol	CD14
Species	Human, Primate
Specificity/Sensitivity	The antibody MEM-18 reacts with CD14, a 53-55 kDa GPI (glycosylphosphatidylinositol)-linked 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. HLDA III; WS Code M 253 HLDA IV; WS Code M 314 HLDA V; WS Code M MA087 HLDA VI; WS Code M MA95
Immunogen	A crude mixture of human urinary proteins precipitated by ammonium sulphate from the urine of a patient suffering from proteinuria.
Endotoxin Note	Endotoxin level is less than 10 EU/mg of the protein, as determined by the LAL test

Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Functional, Immunoprecipitation, CyTOF-ready
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry 4 ug/ml, ELISA 1:100-1:2000, Immunoprecipitation 1:50, Functional, CyTOF-ready
Application Notes	Western Blot: Non-reducing conditions 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.NB110-58721). 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. This antibody is CyTOF ready.

Publications

Simmons DL Tan S Tenen DG et al. Monocyte antigen CD14 is a phospholipid anchored membrane protein. Blood. 1989-01-01 [PMID: 2462937]

Details:

This citation used the PE version of this antibody.





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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