

Technical Data Sheet

Product	<b>Anti-Hu CD14 Purified Low Endotoxin</b>	
Cat. Number/Size	<b>12-212-C100</b>	<b>0.1 mg</b>
	<b>For Research Use Only.</b>	
	<b>Not for use in diagnostic or therapeutic procedures.</b>	

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Antigen	CD14
Clone	MEM-18
Format	Purified Low Endotoxin
Reactivity	Human, Non-human primates
Application	FC (QC tested), IP, WB, ELISA, FUNC
Application details	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. 11-304-C100). 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.
Isotype	Mouse IgG1
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.
Other names	LPS-receptor, LPSR, MCLR
Workshop	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.
Entrez Gene ID	929
Gene name	CD14
NCBI Full Gene Name	CD14 molecule
UniProt ID	P08571

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Concentration	1 mg/ml
Preparation	Purified by protein-A affinity chromatography.
Formulation	Phosphate buffered saline (PBS), pH 7.4
Storage and handling	Store at 2-8°C. Do not freeze.

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Images and References	<a href="http://www.exbio.cz">www.exbio.cz</a>
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