

Technical Data Sheet

Product	Anti-Hu CD14 PE-Cy™7	
Cat. Number/Size	T7-293-T025	25 tests
	T7-293-T100	100 tests
	For Research Use Only.	
	Not for use in diagnostic or therapeutic procedures.	

Antigen	CD14
Clone	MEM-15
Format	PE-Cy™7
Reactivity	Non-human primates, Human
Application	FC (QC tested)
Application details	Flow cytometry: The reagent is designed for analysis of human blood cells using 4 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.
Excitation laser	blue (488 nm)
Isotype	Mouse IgG1
Specificity	The antibody MEM-15 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. The antibody MEM-15 also reacts with soluble forms of CD14 found in serum and in the urine of some nephrotic patients.
Other names	LPS-receptor, LPSR, MCLR
Workshop	HLDA III: WS Code M 252; HLDA IV: WS Code M 113; HLDA IV: WS Code NL 90; HLDA IV: WS Code T 53; HLDA V: WS Code M MA086; HLDA VI: WS Code M MA94
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

Preparation	Purified antibody is conjugated with activated tandem dye of R-phycoerythrin-cyanine 7 (PE-Cy™7) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Formulation	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage and handling	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Images and References www.exbio.cz

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