

Active Recombinant Mouse Cd14, His-tagged

Cat. No. Cd14-118M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cd14 was expressed in CHO cells.
Species	Mouse
Source	CHO
Description	CD14 acts as a receptor for endotoxin (LPS), is expressed strongly on monocytes, macrophages and weakly at surface of neutrophils. CD14 is anchored to cells by linkage to glycosylphosphatidylinositol (GPI) and functions as a high affinity receptor LPS-LBP (lipopolysaccharide binding protein)-complexes. Furthermore CD14 is present in a soluble form in human serum, urine and other body fluids, acts at physiological concentrations as LPS agonist and has at higher concentrations an antagonizing effect in cell activation. The myeloid differentiation antigen CD14 acts as the major receptor for bacterial LPS.?
Form	Lyophilized from a concentrated protein solution (1 mg/ml) containing PBS, pH 7.2
Bio-activity	Inhibits binding of LPS to CD14. Up to 5µg/ml mouse CD14 inhibit binding of FITC-LPS (0.5µg/ml) to mouse CD14+ CHO transfectants
Molecular Mass	50.0 kDa
AA Sequence	N/A
Endotoxin	<0.01 ng/ ml

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Purity	90-95% by SDS-PAGE
Storage	-20°C
Reconstitution	Centrifuge the vial prior to opening. Reconstitute in 10 µl of ultra-pure distilled H ₂ O. This solution can then be diluted into other aqueous buffers and stored at -20°C or -70°C for future use

GENE INFORMATION

Gene Name	Cd14?CD14 antigen [Mus musculus (house mouse)]
Official Symbol	Cd14
Synonyms	Cd14; CD14 antigen; monocyte differentiation antigen CD14; myeloid cell-specific leucine-rich glycoprotein
Gene ID	12475
mRNA Refseq	NM_009841
Protein Refseq	NP_033971
UniProt ID	P10810
Chromosome Location	18 B2; 18 19.46 cM
Pathway	Amoebiasis; Hematopoietic cell lineage; MAPK signaling pathwa
Function	lipopolysaccharide binding; lipoteichoic acid binding

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