

Recombinant Mouse CD14 Antigen

Cat. No. Cd14-1711M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Mouse
Source	Mammalian Cells
Description	Cluster of differentiation 14 also known as CD14 is a cell surface glycoprotein ¹ expressed in monocytes, macrophages, polymorphonuclear neutrophils, chondrocytes, B-cells, dendritic cells. CD14 functions to enhance activation of cells by lipopolysaccharide (LPS).
Molecular Weight	The predicted molecular weight of Recombinant Mouse CD14 is Mr 61.8 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 85-95 kDa.
State Of Matter	Lyophilized.
Purity	>95% by SDS Page and analyzed by silver stain.
Endotoxin	<0.1 ng per 1 g as determined by the LAL method.
Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage

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instructions.

GENE INFORMATION

Gene Name	Cd14 CD14 antigen [<i>Mus musculus</i>]
Synonyms	Cd14; CD14 antigen
Gene ID	12475
mRNA Refseq	NM_009841
Protein Refseq	NP_033971
UniProt ID	P10810
Chromosome Location	18 B2; 18 31.0 cM
Pathway	matopoietic cell lineage; MAPK signaling pathway; Regulation of actin cytoskeleton; Toll-like receptor signaling pathway
Function	lipopolysaccharide binding; lipoteichoic acid binding; protein binding

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