

Recombinant Mouse Cd14 Protein, His-tagged

Cat. No. Cd14-648M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cd14 Protein (Ser16-Val366) with His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ser16-Val366
Description	This gene encodes a protein that plays an important role in the innate immune response and is expressed in monocyte/macrophage cells. This gene product acts as a co-receptor that binds several microbial and fungal molecules, including lipopolysaccharides (LPS). This proteins LPS-binding activity is enhanced by the LPS binding protein (LBP) to allow binding to the TLR4-MD-2 co-receptor complex. The product of this gene is found in two forms, either as a soluble protein or attached to the cell surface by a glycosylphosphatidylinositol anchor.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 41.2 kDa; Accurate Molecular Mass: 41 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

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

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